Appendix 3.7.48 Sensitivity Analysis of Railway Revenue of Passenger to Fare Change

																Revenue	of Rustway	1.00000 €	Fare Raise	(Revenue of Rasiways).00000 at Fare Rasse Ratio=0%)	_	
Kano of Bus Pare Raise(%) of Kantwey	•		71	,	,	v	۰				9	1	::	1	15	20	ม	8	8	\$	\$	8
0	000001	42400	1.0172.81	1.02590	1,03451	1.04311	1.05169	1.06027 1.6	1.06884 1.0	1.07739 1.05594	1.09447	662011 24	1,11151	1.12001	1.12850	1.17042	121290	1.25475	1,29639	1,33782	1,37905	1.42009
	1,001	0,010	101864	ឋន្ត	1	↓_	1	1	1.07027 1.0	1.07854 1.00	1,06739 1.09594	1.1046	1,11300	1.12151	1.13002	1.17239	121453	125644	1,29613	133962	3,8090	1.47200
2	1.00268	101134	1.02000	3	ì	_	1.05451 1.	1.06311 1.0	1.07170	1.08025 1.00	1.08484 1.09740	1.10595	5 1.11448	1.12301	1.13152	1.17395	1,21615	125811	129986	34140	1,38274	1,42369
3	1 00400	1.01268	1.02134	1,05000	1,03564	1.04728	1.05590 1	1.06451 1.0	1.07511 1.04	1.04170 1.05	1.0902A 1.09AAS	1.10740	1.11595	1.12449	1.13302	1.17550	121775	125977	1.30158	1,34317	1.38457	1.42577
*	1.00531	1.01400	1.02268	1.03134	1.04000	1.04864	1.05728 1.	1,06590; 1.0	1.07451 1.0	1.00311	1,09170 1,10028	28 1.108.KS	5 1.11741	1.12596		1.13445 1.17704 1.21934	1,21934	126142	1.30327	1.34492	1.38637	1,42763
\$	1.00661	1.01531	1.02400	1.0326A	1.913	1.05000 1	1,05964	1.0672A 1.0	1.07590 1.04	1.08451 1.05	1.09311 1.10170	70 1.11028	8 1.11885	1,12741	1.13596	,	1.17856 1,22092	1,26305	1.30496	1.34666	1.38816	1.42947
9	1,00790	1.01661	1.02.531	1.03400	1.042GA	1.05134	1.00000.1	1.06864 1.0	1.07725 1.0	06590 1 06	1.09451 1.10511	11 1.11.70	0 1.12029	1.12886	1.13742	1 15007	1,22248	126467	1,30663	1.34539	1,389%	1,43131
7	1.00918	1.01790	1.02661	1.03531	1.03531 1.04400 1.05266	: 1	1.06134	: 07000 1.0	1.07864 1.0	1.08728 1.09	1.09590 1.10451	112111	1 1.12171	1.13029	1.13886	1.18156	1,22405	126627	1,30629	1.35010	1.39171	1.43312
*	1.01045	1.01918	1.02790	1,03661	1.04531		1.06268 1.	1.07134 1.0	1,06000 1.0	1.06864 1.0	1.09728 1.10590	90 1.11451	1 1.123121	1.13171	1.14029	1.18305	1,22557	126786	1.30993	135179	139346	1.43492
•	1.01170	1.02045	1.02918	1.03750	104661	1.05531	1.06400	1,07268 1.0	0.1 1.0	1.0	1.08134 1.09000 1.09864 1.10728 1.11590 1.12451	28 1.15	0 1,1245	1.13312	1.14171	1.18452	1.22710	1.26944	1,31156	1.35348	1 39519	1.43671
10	1.01295	1,02171	1.03045		1.04.79.1	1.05662	1.0853!	0.1 00+70.1	0.1 83530.:	1,169134 1,16	1,10000 1.10864	64 1.11728	8 1.12590	1,13452	1.14312	1.18598	122861	127101	131316	1,35515	1,39691	1.43.54.0
	1.01419	1,02296	1.03171	1.0+046	1,04919	1.05791	1.06662	1.07532 1.0	1.08400 1.0	1.09268 1.1	1.10134 1.11000	00 1.11864	1.12728	1.13590	1,14452	1.1M743	1,23011	127256	1,31479	1.35680	1 39862	1.44024
1	1,01542	1.02420	1.032%	2	1.05046	1 61650.1	1,06791	1.07662	1.04532 1.0	1.09400.1	1.10268 1.11134	34 1.12000	X) 1.12864	1,13728	1.14590	1.18887	123160	1,27410	1.31634	1,35845	1,40051	1.44199
15	1.01664	1.02543	1.03420	1.04297	1.05172	1.06046	1 61690'1	1.07791	1.0%62 1.0	1,09532 1.10	1,10400 1.11268	64 1.12135	1.13000	1.13864	1.1472A	1.19030	1,23306	127563	1.31796	1.36008	1.40200	144372
*.	1,01785	1.02665	1.03543	1.04421	1.05297	1.06172	1.07046 1	1.07919 1.0	1,08791 1.0	1.09662 1.8	1.10532 1.11400	00 1.122	1.12268 1.13135 1.14000	1,1400	1.14864	1.19172	1,73455	127715	1.31955	136170	99604	¥ 34
15	1.01905	1.02.786	1.03666	1989	1.05421	1.06298	1.07179 1	1.08047 1.0	1.08920 1.0	1.09791	1.10662 1.11532	32 1.12400	0 1.13268	1.14135	1.15000	1.19312	1.23601	127866	1,32109	1.36331	1.40532	1.47
22	1.02492	1.03378	1.04263	1.05147	1.06029	1.06910	1.07790	1.08669 1.0	1.09547 1.1	1.10424 1.1	1.11300 1.12175	75 1.13048	13921	1.14792	1.15663	120000	1,24313	1.28603	1.32870	1,37,16	1.413.42	1.4554R
25	1.03059	1.07950	1.04839	1.05728	1,06615	1.07501	1.06386	1.09270 1.1	1.1 02301.1	1.11035 1.1	1.11915 1.12795	\$ 1.13673	1.14550	1.15427	1.16302	1,20663		125000 129313	1.33604	1,37874	1.42123	1,46353
30	1.03606	1.04502	1.05396	1.06289	.07181	1 08072	1,04962	1.09850 1.10738 1.11624	1.1 8670		1.12509 1.13393	93 1.14277	1.15159	1.16040	1.16920	121.04	1.25664	1,3000	1.34314	1,38606	1.425.78	1.47130
38	1.04135	1.05035	1.05934	1.06432	1.07729	1.08624	1. 61260.	1.09518 1.10411 1.11303	1.1 (2021)	1.12194 1.1	1.130M 1.13973.	73 1.14860	50 115747	1.16632	1.17517	121924	1.26306	130664	1,35000	1.39314	1.43608	1.47851
40	1.0464	1.05552	25480	1.073SA	1.08259	1 65160	1.10057	1.10955 1.1	1.11851 1.1	2747 1.1	1.12747 1.13641 1.14534 1.15426	7 - 15	1.16317	1.17207		1.18095 1.22524 1.26927	1,2692,1	1.31307	1.35665	1.40000	1.44315	1.48609
*	1.05145	NS090	196901	1.07868	1.08773	1 09677	1.10580	11-82	1,12343 1.1	1,17242 1,14180	4180 1.150	1.15078 1.15974 1.16869 1.17763	11686	1 1776	1.18656	1,23106	1,27530		1.31931 1.36309	1.40665	1,45000	1,49515
\$	1.05627	04570	1 07452	1,08363	1 09272	1.10180	11087	1.993	12A9R 1.1	3802 1.1	1.09272 1.10180 1.11987 1.11993 1.12898 1.13802 1.14704 1.15606 1.16506 1.7405	06 1.165	1.1740	1.18303	1.19201	1.23670	1.24115	1.32536	1.36934	1.41310	1 45665	1.50000
			1	1																	l	

Appendix 3.7.49 Estimates of Traffic Demand Elasticity and Cross-Elasticity to Fare (Freight)

NO. Evolunes	(Annua)	,46,					Capitametery V	an had				,	-	£	i w	0	Amelica
Vacable		Logandenie Valve	RTAKIF	TTARIF	WEARUP	RITARD	1 n l	KUTAKIF	WRIARF	PROD	TREND	Completon	-				
TONEX	, All 1050591	06371.71	П							5117	Ш	Name of Street	0.00296	0.44026	10200	307501:98/396	Ę
(3.E.)	(1	4,57012	0.3884			1		j		0.32267	Ì		_			•	
	76 449	10(4)7	0.00							LBY C	22		200	3,000	1270	- 100	,
383			0,34397					T		7527.0		101.101.10	U.D. 1/C/	0.0	1.1040.1	CAMPACA	į
	١		ı	Н						16.2%	l		_	_			
TONK	7.1.4099	-	-0.67602	52016.0			-			950600	l	es.lo	0,55011	0.77.265	2.17923 [1988/IS-1993/94	160 AG	5
(and A		0.46217	41440	SE_000		- I - I - I - I - I - I - I - I - I - I				200	200				 -		
A TONKIN	FRICATO		l	0.22464						CO SCIPCIO	L	The last of	71000	69.75	1	Thesas Avenue	1
(S.E.)	L	L		0.34821					-	17000				, A	130	A	į
N. C	,	009990	l	7,000					-	116.44	T				-		
7.500	0.05230		l		46106	Ī				- P. B. D.	ı	ı					
			2000	-	4			Ī		1,020	2	institution	0.8.977	0.73910	3.06314,1944419434194949	MSV-1993MP4	\$
1		C MARKS	0 0000		1000				Í	D. David	1		<u> </u>	_	-		
	1					ľ	Ī				0 /945/8	1					
ı				١		·	1					MONTH TO BEST	0.677	0.7061	198 Her	1984/199-1943/94	8
	-		1000	Ì	1		Ì		†	0.7170	I				_		
Olevi V.			0,40057	1	1					1 81482				1			
5	0.00310		982100	0.10228	0.40025			-		123210		lapida.	0.81364	0.44201	2.50537 1988	1985/89-1993/94	H.Ch
(ES)	3	67646	0.76087	2365	10.0					0.94346		_					
(1.V.)			-0.07348	P.19004	0.3487)					1,10564				_		<u></u>	:
MANACE #	473,72454	£981.9				13685.0				0.00533	20690	lones	0.90125	0.81236	2.08443 1988/89,1901/94	MOLTOUTION.	3
(S.P.						0.46623	İ			0.84509	0.56251			!			
(T-Value)	31	0,63970				1,62001				119000	199	,					
MONOT 6	0.01459					-0.32388			-	0.03667		Locati	0.89240	2302.0	1 740AR 10E	TOTOLISM, TOOLAGA	
(5.8		3,64619				0.380%				0.7920				_			}
(T.Velve)	,	15032				0.267				. 4077	And the second s				;		
MUNOT OI	CHILL'EN			-			0.78767			119000	0.000	Japinel	261000	30010	7 DE443 3GBG	NORMON TOWNSON	į
(\$2)		0.63640					0.416521			0.545.00	15/95 0						\$
(T.Value)		0.6990					1.62601	-		0.00631	10951	_	_				
MUNIOL IT	65#10:0		-				0.32188	ľ	ŀ	TARKET		Loncai	0.95240	0.300.0	TANK TOO	TOGENSO TEXA SAL	Ī
(\$重)	_	3,64619				-	0.28366			0.3670							}
(All Value		twosi I.				-	133		-	*							
12 TOPIKM	0.04162	2 50570		- 	-	ľ		0.21001		0 \$600	1361.5	1000	C District	V. 444.10	1 22.4%	Scotleren Company	
								11770		0.000	1		71018.	200	A CONTRACT	K. (A) (B)	\$
(C.V.III		A23357			Ì	+	Ţ	0.26900		0.55872	0.00	_					
13 TONICAL	1,11244	0.10656					ľ	71900		0.62025		Long	0.8540	K127.0	1 40778 IDROGEDISCONON	SELICOTADA	
(S.F.)		6 79324	-				-	0.58538		0.42716	Ī		!				
			<u>بر</u>			-		0.52716		1.7658				-			
100C	9.08162	0.50%							0.21093	O SASATA	li	Non-togical.	0.61012	0.656.20	1,73420 1982/99.1993/94	789-1993/94	8
(SE)		10 77.80	-	-+	1				0.78413	0.88675						-	
1	24031	2000	1			T	1		-0.26600	0.000	(COP)		-	1	-		
<u>.</u>		2010C W		-		1	Ì	1	0.00014	0.63025		New Angelon:	0.85542	0.73175	1,4477E 1982/19-1993/94	MA-1493/544	Ę.
T.Value		05:00	 	†	-		-	1	20110	01/70							
IN TONOR	2,947,46,277	7,54870		ŀ	ľ	1.08223	-	FC3630	100	MONAGO O			1000	47.10	The state of the s		
(SE)		19619-01	-	-	<u> </u>	0,644,26	-	6	-	0900	İ		CC04.9	70476	-	100 mm	ģ
CF-V.Jbm						161704	-	0.72171	<u> </u>	0.23148	1			. :			
TONKA	00170,0				Ī	0.33505		039510	-	0,81310		Non-logical	0.85716	0.734772	1,8317 1968	JORUSA LANTAN	1
(a)		42220				08/250		O SBWW		0.55716							ļ
(T.Value)	1	-0.16772	-			-1.02212		0.26578		1.45916.		_					-
TOWN X	2,947,46277	7.94670		-			1.06233	-	0.57573	0.22593	1,13002	Non-logical	0.90533	0.776.7	2.1747 (94E/By 1997)	487.1951.48	į
(3)		10.81,950	-				0.499		0,707.3	0.97601	0.90417			<u>.</u>			
T WOLL	a), Que	0.000	+	1	T		141705	1	17127.0	-0.23215	1.24977			1		-	
		ASSES T			T	†	0000	1	0.15650	6.61310		New-to-great	0.05659	4,73717	1,63113 1984	P6/5/61-08/1961	5
T.E		-0.46372	†		+	+	1 00213	†	0.54636	935716	T			_			
S. Sustain	New LAP. Sector President		And the distriction	10 M T M 81			7,77		40.400.4m	1,4779.27	1	1	-				1
The section of		į	THE PARTY AND ADDRESS OF				1			-							

Appendix 3.7.50 Sensitivity Analysis of Railway Traffic Demand of Freight to Fare Change

																:						
Ketto of Tr	ļ -			<u> </u>	-	<u> </u>	-	<u> </u>	-	<u> </u>	-	<u> </u>	_							,		
Kato Face Rano(%) of Regimes	0	-	r+	n	•	»	•	 *: ,	•		= g		<u>.</u>	<u>.</u> 	2 	3 		····	 _			
	1.00000	1,00501	1.01000	1,01497	1,01991 1,02442		1.02971 1.	1.03459 1.0	1.03943 1.0	1.04426 1.0	1,04906 1.05344		1.05M60 1.06	1.06334 1.06806	506 1.07276	276 1.09595	595 1.11867	I	1.14093 1.10	1.1627A 1.1M22	422 1.20529	529 1.22600
1	0.999A2	1.00483	1.00982	1.01478	1.01972	1.02464	1.02953 1.	1.03440 1.0	1.03925 1.0	0.1 70440.1	1.04848 1.05366	Ĺ.,!	1,05842 1,06	1,06315 1.06787		1.072.57 1.09	1:09576 1:31	1.51847 1.14	1.14073 1.1	1.16257: 1.18401	401 1.2050R	50A 1 22578
2	0.99965	1.00466	1.00964	1.01461	1.01954	1.02446	1.02935 1.09422		1.03907	1.04389 1.0	1.04869 1.05347		1.05823 1.06	1,06297	1.06768 1.07238		1.09556 1.11	1.1	1.11827 1.14053 1.16237		1,18380 1,20487	487 1 22557
c	C#66.0	1.00448	1.00947	1,01443	1.01937	1.02428	1.02917 1.	1.03404	1.03888 1.0	1.04371 1.0	1.04851 1.05329		1.05805 1.06	1.06278 1.06	1.06750 1.07	1.07219 1.09	1.09537 1.11	1.11807 1.14	1033 1.3	1.14033 1.16216 1.16360	360 1.20466	122535
4	0.99910	1,00431	1.00929	1.01425	1.01919	1.02410	1,02899 1.03386		1.03871 1.0	1.04353 1.0	1.04433 1.05311		1.05786 1.00	1,06260 1,06731	1.07201	201 1.09518		1.117AA 1.14	1.14013 1.34	1.16196 1.18339	339 1,20465	WS 122514
8	0.99913	1,00414	1,00912	1.01408	1.01902	1.02395	1.02882.1	1.03368 1.0	1.03853 1.0	1.04335 1.0	1.04A15 1.05293		1,05768 1.04	1.06242 1.06713	713 1.07183		1.09500 1.11	1.11769 1.13	1,13994 1.1	1.16176 1.18319	319 1.20424	1 22A93
9	0.99896	1.00397	1,00895	16610'1	1.01884	1.02376	1.02464 1.	1.03351 1.0	1,03835 1,0	1,04317 1,0	1,04797 1.05275	L 8	1.05750 1.00	1.06224 1.06	1.06695 1.07164	164 1.09481		1,11750 1.13	1.13975 1.14	1.16157 1.18299	299 1.20404	122473
4	0.99879	5	1.00878	1.01374	1,01867	1.02358	1.02847	1.03334 1.0		1.04300 1.0	1.04779 1.05257		1.05733 1.06	1.06206 1.06	1.06677 1.07	1.07146 1.09463		1.11731 1.13	1.13955 1.1	1.16137 1.18279	279 1.20384	132452
	0,99863	1,00363	1,00661	1.01357	1.01850 1.02341		1.02830 1.	1,03346 1,4	1,03801	1.04282 1.0	1.04762 1.05	1.05240 1.0	1.05785 1.00	1.06188 1.06	1,06659 1,07129	Ŀ	1.09445 1.11713		1.13937 1.1	1.16118 1.18260	260 1.20%	364 1 22432
6	0.99846	1,00547	1.00645	01610.1	1.01634	1,02325	1.02813 1.	1.03299 10	1.03783 1.0	1.04265 1.0	1.04745 1.05222		1,05698 1.00	1.06171 1.06642	11170:1 299	111 1.09427	3	1.11694 1.13	1.13918 1.1	1.16099 1.18240	240 1.20344	34 123412
91	0.99830	1.00330	1.00028	1.01324	1.01817	1.02308	1.02796 1.	1.03283 1./	1.03766 1.0	1.04248 1.0	1.04728 1.05	1.05205 1.05	1.05680 1.04	1.06153 1.06	1.06625 1.07094		1.09409 1.11	1.11676 1.12	1.13899 1.1	1.16080 1.18221	221 1.20324	324 1.22392
М	0.99514	1.00314	1.00512	1,01308	1.01801	1.02291	1.02750 1.	1.03266	1.03750	1.04231 1.0	1,04711 1.05	1.05158 1.02	1.05663 1.00	1.06136 1.06607		1.07076 1.09391		1.11658 1.13	1,13881 1,16061	6061 1.18202	202 1 20305	1,223.72
12	867660	1,00298	1,00796	1.01291	1.01784	1.02275	1.02763	1.03249	1.03733 1.0	1.04215 1.0	1.04694 1.05	1.05171 1.00	1.05646 1.00	1.06119 1.06	1.06590 1.07059		1.09373	1.11640 1.13863		1.16043 1.18183		1.20285 1.22352
52	0.99782	1.002A2	1.00780	1.01275	1.01768	1.02259	1,02747	1.03233 1.4	1,03717 1.0	1.04198	1.04677 1.05	1.05155 1.0	1.05630 1.04	1.06102 1.06573		1.07042 1.09	1.09356 1.11	1.11623 1.13844		1.16024 1.18164	164 1,20266	266 1 22333
4	99266	1.00266	1.00764	1.01259	1.01752	1.02243	1.02731	1.03217 1.	1.03700 1.0	1.04182 1.0	1.04661 1.05	1.0513A 1.00	1.05613 1.00	1.06086 1.06	1.06557 1.07025		11.1 95529	1.11605 1.13427		1.16006 1.15146	146 1.20247	122314
\$1	0.99751	1.00251	1.00748	1,01243	1.01736	1.02227	1.02715	1.03201	1.03634 1.0	1.04165 1.0	1.04645 1.05	1.05122 1.00	1.05596 1.00	1.06069 1.06	1.06540 1.07009	1	1.09322 1.11	1.11588 1.13809		1.15988 1.18	1.18127 1.20	1 20229 1 2295
20	0.99675	\$2100.1 \$2966.0	1,00672	1.01167	1.01659	1.02149	1 02637 1	1.03122 1.	1.03605 1.0	1.04086 1.0	1.04565 1.05	1.05042 1.0	1.05516 1.00	1.05989 1.06	1.06459 1.06927		1.19239	503 1.1	1,11503 1,13722 1,15900		1.17037 1.20	1.20137 1.22202
x	0.99602	1,00102	1,00598	1.01093	1.01585	1.02075	1.02562	1.03047	1.03530 1.0	1.04010 1.0	1.04483 1.04	1.04965 1.0	1.05439 1.0	1.05911 1.06381		1.06849 1.09	1.09159 1,11422 1.13639	1 1	3639	1.15815 1.17951	951 1.20050	250 122113
OC.	0.99533	1,0001	1.0052A	1.01022	1.01514	1.02003	1 06420 1	1.02975	1.03457 1.0	1.0393A 1.0	1.04416 1.04	1.0~892 1.0	1.05366 1.0	1.05837 1.06307		1.06774 1.09	1.09003	1.11344 1.1	1.13560 1.1	1.15734 1.17869	A69 1.19966	122027
x	0.99465	19666.0	1.00460	1.00954	1 01445	1.01934	1.02421	1.02905	1.03388 1.4	1,03568 1.0	1.04345 1.04	1.04821 1.00	1,05295 1.0	1.05766 1.06	1.06235 1.06	1.06703 1.09	1.09009 1.11	1.11269 1.11	1.13483 1.1	1.15656 1.17789	789 1 19885	121945
Ş	0.99401	0.99899	1.00395	1.00888	1.01379	1,01868	1.02355 1	1.02839 1.	1.03321	1.03800 1.0	1,04278, 1,04	1.04753 1.03	1.05226 1.0	1.05697 1.06	1.06166 1.06	1.06633 1.08	1.08938 1.11	1.11196 1.13410	3410 1.1	1.15581 1.17713	713 1.19807	907 1,21866
\$	0.99339	0.99837	1.00332	1.00425	1.01316	1,01804	1,02290,1	1.02774 1.	1,03256 1.0	1.03735 1.0	1.04232 1.04	1.04687 1.0:	1.05160 1.0	1.056.1	1.06100 1.06	1.06566 1.08	1.05870 1.11	1,11127 1.12	1.13339 1.1	1,15509 1,17	1,17639 1,19732	732 121789
36	0.992.7A	0.99776	1.002.71	1,00764	1,012.55	1.01743	1.01255 1.01743 1.0222H 1.02712 1.03193	02712 1.		1.03672 1.0	1.04149 1.04624	1,0	1,05097 1,00	1,05567 1.06	1.06036 1.06502		1.08804 1.11	1.11059 1.13270		1.15439 1.17	1.7564 1.19660	560 121716

Appendix 3.7.51 Sensitivity Analysis of Railway Traffic Demand of Freight to Fare Change

			í													(Revenu	(Revenue of Railway, 1.00000 at Fare Raise Ratio=0%	000001:44	at Fare Ra	wat Katro-	3%)	
The of Truc							١,						-			• 1	}		1		,	
Kenio Fare Rasse of Railresy (%)	·		н	n	•	n :	•	<u> </u>		 	= 9		<u> </u>	<u>.</u>	<u>.</u>	≈	ρ ·	R ;	PA	ş 	£	0
٥	1.00000	1,00501	1.01000	1.01497	101991	1,02482	1.02971	1.03459 1.0	1.03943] 1.0	1.04426 1.0	1.04906 1.05384	384 1.05860	A500 1.06334	374 1.06406	06 1.07276	1.09595	5 1.11867	7 1,14093	1.162.78	1.18422	1.20529	122600
	1.00982	1.01488	1,01992	1,02493	1.02992	1.03489	1.03983 1	1.04475 1.0	1.04964 1.0	1.05451 1.0	1.05936 1.06419		1.06900 1.07379	379 1,07855	55 1.08329	1.10671	1 1.12965	1,15214	1.17420	1.19585	121713	123804
2	1,01964	1.02475	1.029#4	0.03490	1,03994	(.04495	1,04994	1.05490 1.0	1.059AS 1.0	1.06477 1.0	1.06966 1.07454		1.07939 1.08423	423 1.08904	04 1.093A3	1.11747	7 1.14064	1.16334	1.18561	1,20748	1.22896	125004
	1.02946	1.03462	1.03975	1,04486	1.04995	1.0550.1	1.06005	1.06506 1.0	1.07005 1.0	1.07502 1.0	1.07996 1.08489	95 L.08979	1.09467	1.09952	52 1.10436	CD/21.1 36	3 1.15162	1.17454	1.19703	121911	1.24080	1 26212
•	1.03927	1.04448	1.04967	205482	1.05996	1.06507	1.07015	1.07522 1.0	1.08025 1.0	1.08527 1.0	1.09026 1.09523	723 1.1001.R	018 1.10510	10011.1	01 1.11489	1113899	9 1.162.60	1.1.574	1.208-4	1.23073	1.25263	1.27415
5	006±0.1	1.05434	1.05958	1.06479	1.06997	1.07513	1.04026	1.04537 1.0	1,090#5 1,0	1.09552 1.1	1.10056 1.10557	557 1.11057	957 1.11554	554 1.12049	49 1.12542	1.14975	5 1.17358	1.19694	1,21985	124235	1.26445	128615
9	1.05890	1.06421	1.06949	1.07474	1.07997	1.00518	1.09036	1.09552 1.1		1.10576 1.1	1.11085 1.11591		995 1.12597	597 1.13097		1.13594 1.16050	0 1.18455	1.20813	1.23126	125397	1.27628	1,2982.1
7	1,06471	1.07467	1.07940	1.08470	1.08998	1.09523	1.10046 1	1.10567 1.1	1.11045 1.5	1.11601 1.1	1.12114 1.12625	525 1.13134	34 1.13640	540 1.14145	45 1.14647	17125	5 1.19553	1.21932	1.24267	1.26559	1.24810	1.31024
خ	1.07852	1,04392	1.08930	39466.	¥6660°1	1.10529	1.11056 1	1.11582 1.1	1 12105 1.1	1.12625 1.1	1.13143 1.13659	22.1+1.7 655	172 1.14683	2615171 695	92 1.15699	1.14200	0.20650	123051	1.25407	1,27720	1.29993	1,32226
6	1.04432	1.09378	1.09921	1.10461	1.10999	1.11534	1,12066 1	1.12596 1.1	1.13124 1.0	1.13649 1.1	1.14172 1.14692	01251.1 265	310 (1.15	26 1.162	1.15726 1.16240 1.16751	1.19275		121747 124170	1.26548	1.26862	1,31175	1.33429
0 1	1.09813	1.10063	1.10911	1.11456	1.11999	1.12539	1.13076	1.13611 1.1	1.14143 1.1	1.14673 1.1	1.15201 1.15726	726 1.162AR	244 1.16769	769 1.172A7	A7 1.17803	120350	0 1,22844	125289	1.27658	1.3004.1	1.32357	1.34631
11	1.10793	1.11349	1.11901	1.12451	1.12999	1,13543	1.14046	1.14625 1.1	1.15162 1.1	1.15697 1.1	1.16229 1.16759	59 1.17286	286 1.17811	1118334	34 1,18855	121424	4 1.23941	1.2640%	1.2882.8	131204	1,33538	1,35833
12	1.11774	1.12334	1,12891	1.13446	1.1399A	1.14548	1.15095	1.15639 1.1	1.16181 1.1	1.16720 1.1	1.17257 1.17792	1.18324	124 1.18854	1.19381	81 1.19906	1.27498	8 1,25037	1,27526	1.29968	1,32365	1.34720	1.7005
2	1.12754	1.13319	1.138.1	1,14441	1.14998	1.15552	1.16104 1	1.16653 1.1	1,17200	1.17744 1.1	1,18286 1,18825	. 1	1,19361 1,19896	130428	28 1,20958	123572	2 126134	12864	1.31107	1.33525	135901	1.38236
**	1.13734	1.14304	1.14871	1.15436	1.15997	1,16557	1,17115	1.17667	1.16218 1.1	1.18767 1.1	1.19314 1.19857	120399	199 1.20938	738 121474	74 1,72009	1 24646		1.27230 1.29762	1.32247	1.34686	1,370.00	1.39438
1.5	1.14713	1.15288	1.15861	1.16430	1.16997	1.17561	1.18122 1	1.18681 1.1	1.19237 1.1	1.19790 1.2	1,20341 1,20890	190 1.21436	36 121980	80 1.22521	21 1.23060	022221 0	0 1,28326	1.30680	1,33386	1.35846	1.38263	1.40639
20	1.19610	1 20209	1.26806	1.21400	121991	122579	123164 1	123747 12	124326 12	124904 12	1.25478 1.26050	1.26620	S20 1.27186	186 1.27751	51 128313	3 1,31087	7 1.33803	1.36467	1.39040	1,41643	1,44165	1.46642
2.5	1.24503	125127	1.25748	126366	176941	1.27593	1.28202 1	1,28409 1,2	1,294(2) 1,3	1,30013 1.3	1.30611 1.31207	131799	799 1.32349	1.32977	77 1.33562	1.36449	1.392.77	6+07+1	1,44769	1,47439	1.50062	1.526-1
30	1.29392	1,30041	1.30686	131329	1,31968	1.32604	1.33237 1	1,33867 1,3	1,34495 1,3	1,35119 1,3	1,35740 1,36359	1.36975	75 1,3758A	13K 1.3K199	99 1.38807	77 1.41508	8 1.44747	1.47628	1.50454	1.53229	1.55955	1.58635
S.	1,34278	134951	1.35621	1.36288	1.36951	1,376;1	1.3826.1	51 22885.1	1.39573	1.40221	1.40466 1.41508	505 1.42148	142784	784 1.43418	15 1.44045	1.47162	2 1.50213	1.53203	1.56136	1.59016	1.61845	1.64626
\$	1,39161	1.39859	1.40553	1,41244	1.41931	1.42615	1.43296 1	1.43974 1.4	1.44649 1.4	1.45320 1.4	1.45989 1.46654	54 1,47317	17 1,47976	776 1,48633	33 1.49287	+15251 71	1.55675	1,58774	1,61814	1,64798	1.67730	1.70612
\$	1.44041	1,44763	1,45482	1.46197	1.46908	1,47616 1,48321	1	4.1 62004-1.	1.49721 1.5	1.50416 1.5	1,51104 1,51797	197 1_524B2	33165 1 53165	SMSC 1.538MS	154521	1 1,57862	2 1.61134	1.64341	1.67485	1.70577	1.73611	1,76594
30	1.48918	1.49664	1.50407	1.51146		1.51882 1.52614 1.53343	1.53343	1.54068, 1.54790	4790 1.5	1.55509 1.5	1.56224 1.56936 1.57645 1.58351 1.59053 1.59753 1.63266 1.66589 1.69905	36 1.57	45 1.58	51 1590	53 1.5975	3 1.6320	5 1.66589	1.69905	1,73158	1.76352	1.794491	1.42573

Appendix 3.7.52 GNP Per Capita and Average Passenger Fare by Country

	T	Data	ONP		Avg Pass Fare		Relative Ratio	Adjusted (1)	
No.	Name of Countries	Year	per capita	Ratio to Envid	(Pass rev Pkra)	Ratio to Egypt		Avg Pass Fare	Ratio to Frysk
1	readic of Country		(in1992 US\$)	(Egypt=1.000)	(in 1992 US\$)		Fare to GNP	(Pass revition)	(Fgypt=1 000)
1	Egypt	1992/93	640	1.000	0.0018	1.000	1.000	0.0018	1.000
2	South Korea	1991	6,790	10.609	0 0026	1.417	0 (34	0.0195	10 609
3	Sri Lanka	1992	540	0.844	0.0040	2 180	2 584	0 0015	0811
4	Belarus	1992	2,930	4 578	0 0050	2.725	0.595	0.0084	4 5 78
5	lran	1992	2,200	3.438	0.0060	3.270	0.951	0.6063 0.0005	3.438 0.266
6	Uganda	1992	170	0 266	0.0060	3.270 3.270	12 310 1 852	0.0032	1 766
7	Romania	1992	1,130° 1,930	1.766 3.016	0.0060	3 270	1.084	0.0052	3016
8	Latvia	1992 1991/92	220	0344	0.0060	3 270	9 512	0 0006	0 344
10	Bangladish India	1992	310	0.481	0.0060	3 270		0 0009	0.484
11	Ghana	1990	450	0.703	0.0070	3.815	5.425	0.0013	0.703
12	Poland	1992	1,910	2981	0.0070	3.815	1 278	0.0055	2 984
13	Indonesia	1992/93	1,905	2.977	0.0070	3.815	1 282	0.0055	2 977
14	China	1991	470	0.734	0.0090	4.905	1	0.0013	0.734
15	Mexico	1992	3,470	5.422	0.0090	4.905	1 '	0.0099	5.422
16	Estonia	1992	2,760	4.313	0.0100	5.450	l .	0 0079	4 3 1 3 0.656
17	Pakistan	1987	420	0.656	0.0100	5.450 5.450	F	0.0012	2875
18	Thaland	1991	1,840	2 875 0 500	0.0100 0.0110	5.995		0.0033	0.500
19 20	Nigeria Bulgaria	1991 1992	320 1,330	2 078		5.995		0 0038	2.078
20	Costa Rica	1991	1,960	3.063	0.0110	5.995		0.0056	3.063
22	Hungary	1992	2,970	4,641	0.0130	7.084	1	0.0095	4.641
23	Zimbabwe	1992	570	0.891	0.0140	7.629	8.566	0.0016	0.891
24	Kenya	1991	310	0.484	0.0150	8.174	1	0.0009	0.484
25	Turkey	1992	1,980	3.094	1	8.174	h	1	3.094
26	Urguay	1992	3,340	5.219					5 219
27	Malasia	1992	2,790	I		L.		0.0080	4 359 4 266
28	Chile	1991	2,730		5	8.719 9.264	1		4 3 28
29	Brazil-RFFSA	1991	2,770 1,330			4	1	I .	
30 31	Colombia Peru	1991	950	1	4			1	
32	Algeria	1992	1,840	1 .	1 .	1	1	1	2 875
33	Morocco	1992	1,030	1	0.0200	10.899	6.772	0.0030	1 609
34	1 :	1991	110	0.172	0.0200	10.899	53,413		1
35	Brazil-FEPAZA	1992 -	2,770	}	,				1
36	Tunisia	1991	1,720	1			i .		1
37		1992	7,290	1	3		1	•	
38		1992	7,450	1	1	11 989 13.079			1
39		1992	210 820	1 1		1			•
40	t -	1992 1992	780		1 .				
41		1992	680	1		1	1 1 1		
43	1	1992	670	1	1 .	1		1	
44		1992	310	T.	1	1			
45	1 '	1992	2,670	4.17			1	P.	1
46	Italy	1992	20,300		1	1			
47	1	1992	1,630	1		29,428			
48	1 '	1992	13,970		1				1
49	1	1992	22,380		1	1			f I
50	1	1992	20,480 20,880	1 .				1	ŧ i
51	1 "	1992 1992	22,260	1	1		1	1	
53	1	1992	4,450			1 1	1		6.953
54	1	1992	23,030	L .			4	1	1
55	1 '	1992	26,000	1		1			
Še	I	1992	21,970						
57	I i	1992	20,716			1	i		
58	1		17,260			1			1 ,
59	1 -	1992	28,19		4			l .	1 :
60	1 .	1992	17,79X 23,24X		1				
61		1992 1992	27,010		l .	1			
63		1992	12,210	1 .	i				
	urce: Railway G								

Source: Railway Gazette, 1995
Note: *1) is calculated by a formula: (Average Pass. Fare)/(Relative Ratio of Pass. Fare to GNP)

Appendix 3.7.53 GNP Per Capita and Average Passenger Fare in PPP by Country

-т	- .	PSP GNP		Aug. Dogs Com		n.,		
:0.	Name of Countries	per capita	Ratio to Egypt	Avg. Pass Fare (Pass. rev Plon)	Ratio to Egypt	Relative Ratio	Adjusted 11)	Davides Come
	The by Country	(1992 int 1 \$)	(Egypt=1.000)	(PPP, in infl 5)	(Egypt=1,000)	of Avg. Pass. Fare to GNP	Avg. Pass Fare	Ratio to Egypt
1	Egypt	3,670	1.000	010.0	1.000	1,000	(Pass. rev/Pkm) 0.010	(Egypt=1 000) 1.000
2	Belarus	6,840	1 864	0.012	1 200	0.641	0.019	
3	Indonesia	2,970	0809	0.012	1 200	1.483	0 008	186 080
4	Iran	5,280	1.439	0.012	1.500	1.433		
5	Romania	2,750	0.749	0.015	1.600		0014	1.43
6	Latvia	4,690	1 278	0 016	1.600	2 135	0 007	0.74
7	Poland	4,880	1 330	0.019	1.900	3 252	0.013	1 27
8	Metico	7,490	- 1			1.429	0.013	1 33
9	Estonia		2 041	0.020	2 000	0.980	0 020	2 04
10	Sri Lanka	6,320	1.722	0.022	2 200	1 278	0 017	1.72
- i		2,810	0.766	0.022	2 200	2 873	0.008	0.76
11	Hungary	5,740	1 564	0.025	2 500	1 593	0.016	1.56
12	India	1,210	0.330	0 025	2 500	7.583	0.003	0.33
13	Greece	8,010	2 183	Q 025	2 500	1.145	0.022	2.18
14	Costa Rica	5,550	1 512	0.030	3.000	1.984	0 015	1.51
15	Portugal	10,120	2 757	0.030	3.000	1.083	0.028	275
16	Ghana	1,890	0.515	0.031	3 100	6 020	0 005	0.51
17	Thaland	5,890	L.605	0.031	3.100	1.932	0 0 1 6	1.60
18	Brazil-RFFSA	5,250	1.431	0.032	3 200	2 237	0.014	1.43
19	Urguay	7,450	2 030	0.033	3.300	1.626	0.020	2.03
20	· China	1,910	0.520	0.035	3 500	6.725	0.005	0 52
21	South Korea	8,950	2.439	0.035	3.500	1.435	0.024	2.43
22	Bangladish	1,230	0 335	0 036	3.600	10.741	0 003	0.33
23	Turkey	5,170	1.409	0.039	3.900	2.768	0.014	1,40
24	Uganda	1,070	0 292	0 040	4.000	13.720	0.003	0 29
25	Brazil-PEPAZA	5,250	1.431	0 040	4.000	2.7%	0.014	1.43
26	Bulgaria	5,130	1.398	0.041	4.100	2 933	0.014	1.39
27	italy	17,730	4.831	0.041	4.100	0.849	0.048	4 83
28	Malasia	8,050	2 193	0.046	4.600	2 097	0.022	219
29	Chile	8,090	2 204	0,047	4.700	2.132	0.022	2 20
30	Nigeria	1,440	0.392	0.048	4,800	12 233	0.001	039
31	Zirababwe	1,970	0 537	0.048	4,800	8 942	0.005	0.53
32	Austria	18,350	5,000	0.048	4.800	0 960	0.050	5.00
33	Pakistan	2,130	0 580	0.049	4 900	8 443	0.006	0.58
34	Netherlands	17,560	4.785	0.051	5.100	1.066		
35	Spain	13,170	3 589	0.053	5.300	1.477	0.048	4.78
36	Belgiun	18,160	4.948	0.054	5.400	1	0.036	3.58
37	Peni	3,080	0.839	0.055		1.091	0.049	494
33	Algeria	5,740	1	. 1	5.500	6 554	0 008	0.83
39	Ethiopia	340	1 564) 0.093	0.060	6.000	3.836	0.016	1 56
40	Могоссо			0.063	6 300	68.003	0.001	0.09.
41	1	3 270	0.891	0.064	6.400	7.183	0.009)	0.89
· I	France	19,200	5 232	0.065	6 500	1 242	0.052	5.23
42	Kenya Conmanda	1,360	0 371	0.066	6.600	17.810	0.004	0.37
43	Denmark Tomisis	18,650	5 082	0.066	6.600	1.299	0 051	5.08
41	Tunisia	5,130	1 398	0.067	6.700	4.793	0.914	1 39
45	Finland	15,970	4 3 5 1	0.069	6 900	1 586	0.044	4.35
46	Mali	500	0 136	6.071	7.100	52 114	0 001	0.13
17	Colombia	5,760	1 569	0.074	7.400	4.715	0.016	1 56
43	Senegal	1,750	0.477	0.077	7.700	16 148	0.005	0.47
19	Japan	20,160	5.493	0.078	7.800	1.420	9 055	5.49
χο¦	Germany DB	20,610	5.616	0.079	7.900	1.407	0.056	5.61
13	Malawi	730	0 199	0.082	8 200	41 225	0.002	0.19
2	Canada Via Rail	19,720	5 373	0.092	9 200	1.712	0 054	5 37
3	Cote Divoire	1,640	0.447	0.094	9.400	21.035	0 004	0.44
54	Cameroun	2,300	0.627	0.096	9 600	15.318	0 006	0.62
55	Sweeden	17,610	4.798	0.103	10 300	2 147	0.048	4.79
56	Australia SRA NSW	17,350	4.728	0.109	10 900	2 306	0.047	4.72
57	Great Britain	16,730	4.559	0.112	11 200	2 457	0.046	4.55
58	Bolivia	2,270	0.619	0 121	12 100	19.563	0.006	061
59	USA Amtrak	23,120	6.300	Ø 121	12 100	1 921	0.063	6.300
60	Congo CPCO	2,450	0 668	0.130	13.000	19,473	0 007	0.668
w.								

Source: Railway Gazette, 1995
Note: *1) is calculated by a formula: (Average Pass. Fare) (Relative Ratio of Pass. Fare to GNP in PPP)

Appendix 3.7.54 GNP Per Capita and Average Freight Fare by Country

		GNP		Avg. Freight Fare		Relative Ratio		Dava A. C.
io.	Name of Countries	per capita (in1992 US\$)	Ratio to Egypt (Egypt=1.000)	(Frt. rev/1km) (in 1992 US\$)	Ratio to Egypt (Egypt=1.000)	of Avg. Frt. Fare to GNP	Avg. Freight Fare (Frt rev/Tkm)	Ratio to Egy (Fg) pt=1.00
1	China	470	0.734	0.0006	0.066	0.089	0.0067	0.7.
2	Egypt	640	1.000	0.0092	1.000	1.000	0.0092	1.00
3	Belans	2,930	4.578	0.0100	1.093	0.239	0.0419	4.5
	Latvia	1,930	3.016	0.0100	1.023	0.362	0,0276	3.01
ś	USA:Burlington Northern	23,240	36313	0.6100	1.093	0.030	0.3323	36.3
6	USA:Denvar & Rio Grande	23,240	36.313	0.0100	1.093	0.030		36.3
7	Jordan	1,120	1.750	0.0200	2.185	1.249	0.0160	1.7
8	South Africa	2,670	4.172	0.0200	2 185	0.524	0.0382	4.1
إو	Zimbabwe	570	0.891	0.0200	2.185	2.451	0.0082	0.8
0	Poland	1,910	2.981	0.0200	2.185	0.732	0.0273	2.9
d	Turkey	1,980	3,094	0.0200	2.185	0.766	0.0283	3.0
2	Estonia	2,760	4.313	0.0200	2.185	0.507		t
3	India	310	0.484	0.0200	2.185			
1	Indonesia	1,905	2.977	0.0200	2.185	0.731		. 2.9
5	Malasia	2,790	4.359	0.0200	2.185	0.501		1
6	Thaland	1,810	2.875	0.0200	2.185			
7	Brazil-RFFSA	2,770	4.328	0.0200	2.185		9	
8	Canada Canadian Pacific	20,710	32,359	0.0200	2.185			1
او	USA Florida East Coast	23,240	36.313	0.0200	2.185			
0	USA-All Class Railways	23,240	35.313		2.185	1	1	
1	Ina	2,200	3.438	0.0300				
2	Morocco	1,030	1.609			1	I	
3	Turvisia	1,720		0.0300		1 .		
1	Bulgaria	1,330	2.078		1 .			
5	Romania	1,130	1.766					1
6	Pakistan	420	0.656				,	
7	Sri Larka	540	0.844	4	i			
8	South Korea	6,790	10.609				1	10.6
9	Chile	2,730						1
0	Colombia	1,330					I .	
1	Mexico	3,470					I .	1
2	Urguay	3,340				9	L	
3	Portugal	7,450		0.0300				1 .
4	Sweeden	27,010	1 .		1 .			1
5	Australia:ANR	17,250	1	4 .				1
6	USA:Conrail	23,240	ł			E .	1	1 .
7	Algaria	1.840	1				1	1 .
8	Ghana .	450			•			4
9	Kenya	310		1				1
Ю	Brail-HPAZA	2,770			1	1		1
1	Peru	950	1				1	
12	Hungary	2,970				I	1	
13	Bangladish	220	1	1			1	
H	Belgium	20,830	1	L	1.1			
15	Italy	20,460			1			
6	Japan	28.190				1	1	
17	Netherlands	20,480	1		1	4	,	
13	Spain	13,970			1 .			
19	Australia: SRA NSW	17,260			1		1	- 1
0	Ethiopia	110		1	1			ما،
1	Nigeria	32.						
2	Finland	21,970					1	
3	France	22,260			1			
4	ireland	12,210	1					
5	Cole D'Ivoire	210	1					
6	Malawi	316			L			
3	Mali Senegal	784						
9	Uganda Uganda	170	i	1 '			1	
ò	Austria	22,38		1			1	
, 1	Greece	7,29	1				4	
	Cameroun	82	. 1	The second second			1	
52 53	Great Britain	17,79		- 1	1 1		1	
•	· ·	68					1	
51	Bolivia Costa Rica	1,96	t .	b			1	1
65 66	·	26,00	•					
	Denmark New Zorland	12,30						1
67	New Zealand	23.03			1		1	
68	Germay:DB	1,03		1				1.
69]	Congo-CFCO	4,45						

Source: Railway Gazette, 1995
Note: *1) is calculated by a formula: (Average Frt. Fare) (Relative Ratio of Frt. Fare to GNP)

Appendix 3.7.55 Average Freight Fare in PPP by Country

 T		PPPGNP		Avg. Freight Fare		Dalakira Dasi-	Adinoted #13	
No.	Name of Countries	per capita	Ratio to Egypt		Ratio to Egypt	Relative Ratio of Avg. Fet	. Adjusted *1) Avg. Freight Fare	Datings For
	read of Codinares	(in 1992 int 1 \$)		(PPP, in intl \$)	(Fg)pt=1.000)	Fare to GNP		(Egypt=1.00)
- 1	USA: Burlington Northern	23,120	6.300	0.014	0.255	0.040	0.346	6.30
2	USA: Degvar & Rio Grande	23,120	6.300	0.014	0.255	0.040	0.346	6.30
3	Canada:Canadian Pacific	19,720	5.373	0.019		0.061	0.296	5.37
4	USA: All Class Railways	23,120	6.300	0.019	0.345	0,055	0.346	6.30
5	Seccica	17,610	4.798	0.020		0.076	0.264	4.79
6	USA:Florida Fast Coast	23,120	6.300	0.024		0.069	0.346	6.30
7	China	1,910	0.520	0.026		0.908	0.029	0.52
8	USA:Conrail	23,120	6.300	0.027	0.491	0.078	0.346	6.30
9	Indonesia	2,970	0.809	0.028	0.509	0.629	0.015	0.80
10	Australia: ANR	17,350	4.728	0.028	0.509	0.108	0.260	4.72
11	Latvia Belarus	4,690 6,840	1.278 1.854	0.029 0.030	0.527	0.413	0.070	1.27
13	South Korea	8,950	2.439	0.037	0.515 0.673	0,293 0,276	0.103 0.134	1.86 2.43
14	Japan	20,160	5,493	0.037	0.673	0.122	0.302	5.49
15	Netherlands	17,560	4.785	0.039	0.709	0.148	0.263	4.78
16	Portugal	10,120	2.757	0.039	0,709	0.257	0.152	2.75
17	Estonia	6,320	1.722	0.042	0.764	0.443	0.095	1.72
18	Italy	17,730	4.831	0.043	0.782	0.162	0.266	4.83
19	Belgium	18,160	4.948	0.044	0.800	0.162	0.272	4.94
20	Finland	15,970	4.351	0.046	0.836	0.192	0.239	4.35
21	Australia SRA NSW	17,350	4.728	0.046	0.836	0.177	0.260	4.72
22	Brazil-RFFSA	5,250	1.431	0.047	0.855	0.597	0.079	1.43
23	Poland	4,880	1.330	0.049		0.670	0.073	1.33
24 25	Spain	13,170	3.589	0.049		0.248	0.197	3.58
26	Thaland Found	3,670	1.605 1.000	0.051	0.927	0.578	0.083	1.60
27	Egypt			0.055	1.000	1.000	0.055	1.00
28	France Ireland	19,200	S.232	0.055	1.000	0.191	0.288	5.23
29	Turkey	12,170 5,170	3.316 1.409	0.057 0.059	1.036 1.073	0.313 0.761	0.182 0.077	3.31
30	Jordan	4 220	1.150			0.761	0.077	1.40 1.15
31	Austria	18,350	5.000	0.061	1.109	0.222	0.275	5.00
32	Malasia	8,050	2.193	0.062	1.127	0.514	0.121	2.19
33	Mexico	7,490	2.041	0.062	1.127	0.552	0.112	2.04
34	Iran	5,280	1.439	0.064	1.161	0.809	0.079	1.43
35	Brazil-FF.PAZA	5,250	1.431	0.067	1.218	0.852	0.079	1.43
36	Denneark	18,650	5.082	0.067	1,218	0.240	0.279	5.08
37	Crguay	7,450		0.071		0.636	0.112	2.03
38 39	Great Britain	16,730		0.074		0.295	0.251	4.55
40	Greece	8,010	2.183	0.076		0.633	0.120	2.18
41	India Morocco	1,210 3,270		0.079 0.081	1.436 1.473	4.357 1.653	0.018	0.33 0.89
42	Zimbabwe	1 970	0.537	0.081	1.473	2.741	0.030	0.53
43	Romania	2,750			1.473	1.965	0.041	0.74
41	Tunisa	5,130		0.083	1.509	1.080	0.077	1.39
45	Germany.DB	20,610				0,275	0.309	5.6
46	Chile	8,090		0.089	1.618	0.734	0.121	2.20
47	Hungary	5,740	1.561	0.093		1.081	0.086	1.56
43	New Zealand	14,400		0.103		0.477	0.216	3.92
49	Mali	500	0.136			14.280	0.007	0.13
50	Algeria	5,740				1.314	0.086	1.50
51 52	Bulgaria Peru	5,130				1.496		1.39
53	reru Colombia	3,080 5,760				2.556 1.610	0.046	0.83
54	Pakisian	2,130					0.086 0.032	1.50 0.50
55	Senegal	1,750					0.032	0.4
56	Ghana	1,890				5.861	0.028	0.5
57	Sri Lanks	2,810				3.966	0.042	0.7
58	Cote Divoire	1,640				6.917	0.025	0,4
59	Kenya	1,360					0.020	0.3
60	Ethiopia	340	0.093	0.198	3.600		0.005	0.0
61	Саптегони	2 300		0.216	3.927	6.267	0.034	0.6
62	Malawi	730	0.199				0.011	0.1
63	Costa Rica	5,550					0.083	1.5
64	Nigeria	1,440				11.816	0.022	0.3
65	Bangladish	1,230 2,270				14.268	0.018	0.33
21			. 41610	. (1.790	5.255	8.495	0.034	0.6
66 67	Bolivia Congo-CHCO	2,450					0.037	0.60

Source: Railway Gazette, 1993 Note: *1) is calculated by a formula: (Average Freight Fare in PPP) (Relative Ratio of Freight Fare to GNP in PPP) Appendix 3.9.6 Cost Recovery Ratio

3. 9. 6. (1) Assumption of Estimation of Cost Recovery Ratio

Cost recovery ratios are estimated by following assumptions.

1. Cost

ENR expenses are divided into 4 categories: Maintenance for Track & Building, Maintenance for Machine, tool & Rolling stock, Train & Rolling stock Operating and Others. To estimate the expenses of each line, these expenses after analyzing are allocated into each line as follows.

(1) Track and Building

Track and Building expenses are divided into Fixed cost and Variable cost, Fixed cost is in proportion to track length, Variable cost is in proportion to train running kilometer of both passenger and freight. For the line maintained by mechanical maintenance, peculiar costs are added for both Fixed and Variable cost.

(2) Operation cost

Maintenance for Machine, tool & Rolling stock and Train & Rolling stock Operating cost are mostly related to the train operation. These costs consist of cost of freight train operation and passenger train operation. Therefore, these costs are allocated to each line in proportion to the train running kilometer of passenger train and freight train km.

(3) Characteristics of each line on the expense

A characteristic of each line is difference each other. So each line is graded with situation of train formation and loading weight. Passenger train km and freight train kilometer are adjusted with this assumed grade.

(4) Depreciation cost

Depreciation cost consists of infrastructure and rolling stock etc. Infrastructures are as Fixed cost and rolling stock are Variable cost. Fixed costs are allocated to the track length of each line with grade above. Variable costs are also allocated to the train running km of each line with grade.

2. Revenues

(1) Passenger revenue (by normal, season and kilometer)

Passenger revenue of each line is estimated by passenger-km of each line. The revenue per passenger-km is adjusted by the characteristics of each line. Namely, revenue/passenger-km of main line, Branch line and Suburban line are difference.

Cairo - Alex. Line and Cairo - Aswan line consider the running of special trains, such as turbo train and sleeper train etc.

(2) Passenger revenue (by conductor)

Revenue by conductor of each line is estimated in proportion of the amount of (1) of each line.

(3) Passenger revenue (other)

Other passenger revenue of each line is estimated in proportion to the passenger-km of each line considering line peculiarity such as handling of luggages or not

(4) Freight revenue

Freight revenue of each line estimated by freight train-km of each line with grade of line which is loading situation.

(5) Other miscellaneous revenue

Other miscellaneous revenue of each line is estimated in proportion to the total of revenue above.

	- 1
Appendix 3.9.6 (2) Actual Expenses and Allocation	
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Presidency current expenses 7,149,866 108,539,099 1 Endgles maintenance expenses 29,716,431 12,311,848 4,190 Passages maintenance expenses for damages caused by accidents 254,893 -60,067 -60,067 Maintenance expenses for damages caused by accidents 102,846 1,004 695,231 Flood protection expenses for platform 102,848 1,004 1,004 German maintenance axpenses for platform 25,710 1,350,256 15,114 Wood roofing building 104,985 15,114 1,004 Metal bridges maintenance & repairs 3,721,422 74,752 16,114 Metal bridges maintenance & maintenance & and repairs 3,721,422 74,752 17,7413 Engalis Passenger bridges maintenance and repairs 17,335 2,727 17,734 Passenger bridges maintenance tools 17,335 2,450 -79,724 Department Devices maintenance & repair 3,64,370 -1,73,816 Arepair 3094,370 1,773,816 Arepair 555,875 498,954 Maintenance & repair	8	Description	Chapter 1	Chapter 2	Total	
raintenance expenses 29,716,431 12,31,849 42 maintenance expenses 26,783 24,190 es maintenance expenses 26,833 -60,067 ance expenses for platform 25,534,839 6,290,833 11 cotection expenses for platform 25,710 1,350,256 1, 20,814 27,548 11,1004 ance expenses for platform 25,710 1,350,256 1, 20,814 27,548 11,1004 ance expenses for platform 25,710 1,350,256 1, 20,814 27,548 11,1004 ance expenses for platform 25,710 1,350,256 1, 20,814 27,548 11,1004 and parthes maintenance 3,721,422 7,4752 3, 30,810 1,721,423 1,721,421,423 1,721,421,423 1,721,421,423 1,721,421,423 1,721,421,423 1,721,421,423 1,721,421,423 1,721,421,423 1,721,421,423	1_	Presidency current expenses	7,149,866	108,598,099	115,747,965	
es maintenance expenses 254,893 -60,067 1 1 1 1 1 1 1 1 1	1 _ 3	Track Maintenance expenses	29,716,431	12,311,848	42,028,279	1 1
ance expenses 254,893 -60,067 1,004 ance expenses for 102,846 1,004 1,004 Inaliterance & repair 5,554,839 6,256,853 11 ance expenses for platform 25,710 1,350,256 1,390,000 1,350,256 1,300,000 1,300,256 1,300,000 1,300,256 1,300,000 1,300,256 1,300,000 1,300,256 1,300,000 1,300,000 1,300,256 1,300,000 1,300,000 1,300,256 1,300,000		Bridges maintenance expenses	116,698	24,190	140,888	
ance expenses for 717,358 697,231 1, otherwise for platform 5,554,839 6,260,853 11 Inaintenance & repair 5,554,839 6,260,853 11 Inaintenance & repair 5,544,839 6,260,853 11 Inaintenance & 3,721,422 74,752 3 Indiges maintenance and 249,064 -112,413 Indiges maintenance and 245,460 -79,724 Indiges maintenance & 337,197 -19,753 Indiges maintenance & 337,197 -19,753 Indiges maintenance & 3,721,422 7,9724 Indiges maintenance & 3,721,422 7,9724 Indiges maintenance & 3,721,927 Indiges maintenance & 3,094,370 Indiges maintenance & 2,724,648 188 In complex In		Passages maintenance expenses	254,893	290'09-	4.5	
s caused by accidents		Maintenance expenses for				
rotection expenses 102,840 1,004 1,0		damages caused by accidents	717,358	697,231	1,414,589	
insering maintenance & repair se metal roofing building e & metal roofing since & repair solid presidency) solid presidency) solid presidency) solid presidency) solid profits building 104,985 114,985 114,114 1250,256 11,350,256 11,350,256 127,142 127,142 127,142 127,142 127,142 127,142 127,142 127,142 127,142 127,142 127,143 127,1413 127		Flood protection expenses	102,840	1,004	103,844	
ance expenses for platform se a maintenance and parthes maintenance and repair e & metal roofing since and repair solutises communication noce & repair solutises could: presidency) ance expenses for platform 25,710 1,350,256 1,7752 3,721,422 74,752 3,721,422 74,752 3,721,422 74,752 3,721,422 7,747 4,306 1,774 4,306 1,774 1,305 1,774 1,305 1,774 1,305 1,773,816 2,304,370 1,773,816 2,498,954 1,1005 1,1773,816 2,1005 2,1006 2,1006 2,1006 2,1006 2,1006 2,1006 2,1006 2,1006 2,1007 2,1006 2		German maintenance & repair	5,534,839	6,260,853		
ance expenses for platform 25,710 1,350,256 1,3 9 public structure 20,814 27,548 1,37 1,342 27,548 1,7475 23,740 23,606 8,553 37,1472 24,752 37,1472 37,1472 37,1472 37,1472 37,1472 37,1472 37,1472 37,1472 37,1472 37,1473 3		Wood roofing building	104,985	15,114	120,099	
g public structure 20,814 27,548 rigges maintenance & 3,721,422 74,752 3,7 and parthes maintenance & 3,721,422 74,752 3,7 ger bridges maintenance and bridges maintenance and cear roofing ance and repair 17 4,306 nice & metal roofing ance & repair 17,335 2,747 nice & repair 345,460 -79,724 2 rent Devices maintenance & 337,197 -19,753 3 ical Signals maintenance & 3,094,370 1,773,816 4,8 & wireless communication ance & repair 555,875 498,954 1,0 ance & repairing tracks at n. complex 23,128 724 1,0 n. complex 55,883,231 131,977,648 188,8 Total 6,111 0,268 73,1 10dd: presidency) 49,733,365 23,379,549 73,1		Maintenance expenses for platform	25.710	1 350 256	1.375.966	
and parthes maintenance & 3,721,422 74,752 3,7 and parthes maintenance 23,606 8,553 ger bridges maintenance and 249,064 -112,413 11 e. 8 metal roofing 17,335 2,747 ance and repair 17,323 599,610 5,3 fical Signals maintenance & 3,094,370 1,773,816 4,8 8 wireless communication 555,875 498,954 1,0 ance & repairing tracks at 23,128 724 finc complex 23,128 724 finc complex 556,883,231 131,977,648 188,8 ficuld: presidency) 49,733,365 23,379,549 73,1		Improving public structure	20,814	27,548	48,362	
and parthes maintenance 23,606 8583 3,7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Metal bridges maintenance &				
and parthes maintenance 23,606 8,553 get bridges maintenance and 249,064 -112,413 1 e. 8. metal roofing 17,335 2,747 ance and repair 345,460 -79,724 2 hert Devices maintenance 337,197 -19,753 3 ical Signals maintenance & 3,094,370 1,773,816 4,8 8. wireless communication 555,875 498,954 1,0 ance & repair 556,883,231 131,977,648 188,8 73,1 70tal 70tal 70tal 733,355 23,379,549 73,1		repairs	3,721,422	74,752	3,796,174	
17		Bridges and partnes maintenance				-
17		and repairs	23,606	8,553	32,159	
hedes maintenance and 249,064 -112,413 1 e. & metal roofing		Passenger bridges maintenance	7.	4 306	4 303	
e & metal roofing Ince and repair Incomplex Incomplex Incomplex Ince & repair Incomplex Incompl		Upper shedes maintenance and	:			
e & metal roofing		repair	249.064	-112,413	136,651	
anntenance tools and & repair bett Devices maintenance & 337,197 bett Devices maintenance & 4,771,323 cal Signals maintenance & 3,094,370 cal Signals maintenance & 3,094,370 cance & repair complex complex council presidency) 1,733,816 2,3128 2,3128 1,31,977,648 1,88,8 1,014 1,028 1,011 1,028 1,028 1,043,733,365 2,3379,549 7,73,128 1,043,733,365 1,044		Concrete & metal roofing				
initenance tools Incomplex Total Indice & residency) Incomplex	maintenance and repair	17,335	2,747	20,082		
Pent Devices maintenance 337,197 -19,724 Pent Devices maintenance 337,197 -19,753 Ical Signals maintenance & 4,771,323 599,610 Is Signals maintenance & 3,094,370 1,773,816 & wireless communication ance & repair 555,875 498,954 In complex 23,128 724 Total 0,268 Colud. presidency) 49,733,365 23,379,549 7		Track maintenance tools				
rent Devices maintenance 337,197 -19,753 ical Signals maintenance & 4,771,323 599,610 is Signals maintenance & 3,094,370 1,773,816 is Signals maintenance & 3,094,370 1,773,816 ince & repair sommunication & 555,875 498,954 incomplex 23,128 724 70tal		maintenance & repair	345,460	-79 724	265,736	
ical Signals maintenances 4,771,323 599,610 8. wireless communication 555,875 498,954 ance & repair 724 Total 733,365 23,379,549 78 Culd. presidency) 49,733,365 23,379,549 78		Department Devices maintenance	337 197	57.01-	317 444	
rical Signals maintenance & 3,094,370 1,773,816 The & wireless communication care & repair 555,875 498,954 Fenance & repair 23,128 For Total 0,111 0,268 (exclud: presidency) 49,733,365 23,379,549 7		Mechanical Signals maintenances	2	33.13.1		
rical Signals maintenance & 3.094,370 1,773,816 The & wireless communication cannot be a repair 555,875 498,954 Thum complex 23,128 724 The modern complex complex complex 65,883,231 131,977,648 18 Executed presidency) 49,733,365 23,379,549 7		& repairs	4,771,323	599,610	5,370,933	
3,094,370 1,773,816 chance & repair 555,875 498,954 enance & repair 23,128 mum complex 56,883,231 131,977,648 18 exclud. presidency) 49,733,365 23,379,549 7		Electrical Signals maintenance &				
ring tracks at 23,128 498,954 724 724 0.111 0.268 900) 49,733,365 23,379,549		repair	3.094,370	1,773,816	4,868,186	
ing tracks at 23,128 724 56,883,231 131,977,648 0.111 0.288 noy) 49,733,365 23,379,549		On-line & wireless communication				٠
Auring tracks at 23,128 724 724 56,883,231 131,977,648 0.111 0.268 (dency) 49,733,365 23,379,549		maintenance & repair	555,875	498,954	1,054,829	
23,128 724 724 724 648 0.111 0.268 (dency) 49,733,365 23,379,549		Maintenance & repairing tracks at				
0.111 0.268 0.111 0.268 0.40733,365 23,379,549		Aluminum complex	23,128	724	23,852	
0.111 0.268 49,733,365 23,379,549		1st frem Total	56,883,231	131,977,648	188,860,879	
49,733,365 23,379,549			0.111	0.268	0.161	
		Total (exclud, presidency)	49,733,365	23,379,549	73,112,914	

G S	Presidency & Other expenses	:		
	Description	Chapter 1	Chapter 2	Total
8	Presidency current expenses	21,775,210	16,025,499	37,800,709
410	Medical affairs authority expenses	689,503	53,831	743,334
114	Cairo Hospital expenses	2,094,568	5,774,808	7,869,376
413	expenses	14,460	18,598	33,058
414	Tanat Hospital expenses	160,136	129,643	289 779
415	Abu Zaebel Hospital expenses	258,138	34,766	292,904
420	Printing authority expenses	2,499,211	1,317,668	3,816,879
\$	Transportation police expenses	329,255	3,407,157	3,736,412
	Total	27,820,481	26,761,970	54,582,451
	Maintenance for track & bridge	56,883,231	131,977,648	188,860,879
	Maintenance for machines, tools &			
	rolling stock	45,059,822	377,843,913	422,903,735
	Train & Rolling stock operation	168,739,462	189,939,496	358,678,958
_	Other expenses	27,820,481	26,761,970	54,582,451
	Total	298,502,996	726,523,027	1,025,026,023
		(wage)		
_				
<u>5</u>	Presidensy current expenses	7,149,866	108,598,099	115,747,965
5 5 8	Presidensy current expenses	8,784,964	282,829,589	291,614,553
ဓ္တ	Presidensy current expenses	21,877,814	897.774	22,775,588
<u>\$</u>	Presidensy current expenses	21,775,210	16,025,499	37,800,709
	Total	59,587,854	408,350,961	467,938,815
			1 · · · ·	557,087,208
	Infrastructure			73,112,914
	Rolling stock			67,064,405
*:	Train operation			335,903,370
	Depreciation Cost			380,200,000
	476,081 / 1025,026 -380,200 Ratio of Over head/common cost			0.788

Maintenance Expenses for Mashines, Tools & Rolling stock

14,384 1,391,793 3,271,465 Materia Mat			:			Passer	Passenger cost	Freig	Freight cost	Cairo - Alex. Psg.	Psg.	Cairo - Aswan Psg.	wan Psg.
Pescelency current econemies 318,358 21,554,166 21,572,544	Desc	notion	Chapter 1	Chapter 2	Total	Wage	Material		Material	Wace	Materia	Wage	Material
Electrical units maintenance & 318,388 21,254,186 21,572,544 6,1572,544 1,301,733 3,271,465 Desail bocompouves maintenance & 1,307,173 1,307,830 1,307,334 1,301,733 3,271,465 Desail bocompouves maintenance & 1,307,830 3,567,824 1,307,830 3,914,334 1,301,733 3,271,465 Desail bocompouves maintenance & 1,307,830 3,665,804 1,307,830 3,844,596 2,919,425 1,307,830 3,271,465 Research coaches maintenance & 1,162,329 1,757,036 2,919,425 2,944,596 2,719,622 2,719,732 3,717,465 Respiral coaches maintenance & repairs 1,162,329 1,757,036 2,919,425 2,719,732 3,719,732 3,719,732 3,719,732 Respiral coaches maintenance & repairs 1,021,9769 1,202,200 2,217,425 2,773,732 3,773,425 3,773,425 3,773,425 Delming coaches maintenance & repairs 1,021,9769 1,202,200 2,217,225 2,773,427 2,773,427 3,773,477 3,773,477 3,773,477 3,773,477 3,773,477 3,773,477 3,773,477 3,773,477		int expenses	8,784,964	282,829,589	291,614,553		-	ĺ		1-			
Deep tocomotives maintenance & 5,677.73 13,085.859 18,683,032 4,175,380 9,814,394 1,391,793 3,271,465 1,2001,680 1,907,880 3,957,824 1,907,880 3,957,824 1,907,880 3,957,824 1,907,880 3,957,824 1,907,880 3,957,824 1,907,880 1,907,8	210 repairs	aintenance &	318 358	301 130 10	27 577 577								
Passe Control maintenance & 1,907,600 3,967,624 5,865,504 1,907,600 3,967,624 1,907,600	Discal locomorphie	o postanopalos o		201,100	**************************************								
Description with maintenance & 1,907,680 3,957,624 1,907,680 3,957,824 1,907,680 3,957,824 1,907,680 3,957,824 1,907,680 3,957,824 1,907,680 3,957,824 1,907,680 3,957,824 1,907,680 1,907,690	211 repairs	5 policination of	5,567,173	13,085,859	18,653,032	4.175.380	9.814.394	1 391 793	3271.465	;			
Secondary 1,307,650 3,957,624 5,865,504 1,907,680 3,957,824	Diesel loco, unit i	naintenance &											
Passenger coaches maintenance & regain 135 1,757,086 2,919,425 27,808,314 10,219,769 1,757,086 2,919,425 1,310,769 1,322,909 1,3			1,907,680	3,957,824	5,865,504	1,907,680	3,957,824		•				
Passenger coaches maintenance 9,484,595 27,808,314 37,292,909 9,484,585 27,808,314 9,484,585 27,808,314 9,484,585 27,808,314 9,484,585 1,727,096 2,919,425 9,484,585 27,808,314 9,484,585 1,727,096 2,919,425 9,484,585 1,727,096 1,294,295 1,202,200 1,202,312 1,202,200 2,202,202 <th< td=""><td></td><td>nce & repair</td><td>135</td><td>•</td><td>135</td><td></td><td></td><td></td><td></td><td>135</td><td></td><td></td><td></td></th<>		nce & repair	135	•	135					135			
Screening 9,464,566 27,808,314 37,222,909 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 27,808,314 9,484,586 9,484,586 27,808,314 9,484,586 9,484,	Passenger coact	hes maintenance											
Replies goaches maintenance & 1,162,339 1,757,066 2,919,425 6,019,425 6,1757,006 2,919,425 6,1757,006 1,757,066 2,919,425 6,1757,006 1,757,006 2,919,425 6,175,002 1,0219,769			9,484,595	27,808,314	37,292,909	9,484,595	27,808,314						
Registry 1,162,329 1,757,096 2,919,425 6 2,919,425 7		s maintenance &											
Dining coaches maintenance & 3,338	- 1		1,162,329	1,757,096	2,919,425							1,162,329	1,757,096
Freight wagons maintenance & repairs 3,338 4,91 2,847 2,847 2,847 2,847 2,847 2,092,200 22,311,969 10,219,769 12,092,200 22,311,969 1,434,970 2,077,342 3,512,312		naintenance &											
Freight wagons maintenance & repairs 10,219,769 12,092,200 22,311,969 10,219,769 12,092,200 Desirs Desirs 1,434,970 2,077,342 3,512,312 547,335 1,310,769 182,445 2,077,342 Air lines at supplying stations 1,747,692 2,477,472 2,477,472 547,335 1,310,769 182,445 2,077,342 Air lines at supplying stations 107,542 1,52,809 260,351 80,657 114,607 26,386 38,202 Air lines at supplying stations 107,542 1,52,809 260,351 80,657 114,607 26,386 38,202 Air lines at supplying stations 107,542 1,52,809 260,351 80,657 114,607 26,386 38,202 Acident clearing tools 1,330,561 4,137,973 5,488,534 997,921 3,103,480 332,640 1,034,493 Waintenance & repairs 1,468 356,075 4,500,565 26,537,48 26,036,650 20,200,039 51,317,029 14,590,660 20,586,506 Maintenance expenses for 1,522, 446 <td></td> <td></td> <td>3,338</td> <td>ফু</td> <td>2,847</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3,338</td> <td>5</td>			3,338	ফু	2,847							3,338	5
repairs 10,219,769 12,092,200 22,311,969 10,219,769 12,092,200 Desei manneuvrs icoomotives 1,0219,769 12,092,200 22,311,969 2,371,332 1,434,970 2,077,342 3,075,374	Freight wagons n	naintenance &											
Deisel manoevirs locomotives 1,434,970 2,077,342 3,512,312 5,47,335 1,310,769 1,434,970 2,077,342 Caris maintenance & repairs 729,780 1,745,692 2,477,472 5,47,335 1,310,769 182,445 436,920 Air lines at supplying stations 107,542 152,809 260,351 60,657 114,607 26,386 38,202 Ari lines at supplying stations 107,542 152,809 260,351 6,0657 114,607 26,386 38,202 Acident clearing tools maintenance & repairs 2,301,486 3,530,768 5,932,264 1,726,122 2,723,076 575,374 907,632 Accident clearing tools maintenance & repairs 1,330,561 4,137,973 5,486,534 997,921 3,103,480 332,640 1,034,433 Water pumps & Tanks 114,636 355,037 470,723 86,015 267,028 369,036 20,500,039 51,317,029 14,590,660 20,686,506 Maintenance expenses for demages caused by accidents 12,991,994 19,158,506 20,200,039 51,317	217 repairs		10,219,769	12,092,200	22,311,969			10,219,769	12.092.200				
Cars maintenance & repairs 1,434,970 2,077,342 3,512,312 547,345 1,434,970 2,077,342 2,077,342 3,512,312 547,345 1,130,769 1,24,970 2,077,342 2,077,342 3,512,312 547,457 547,472 547,472 547,335 1,130,769 1,24,970 2,077,342 3,520,768 2,077,345 2,077,345 3,520,768 3,520,768 5,932,264 1,14,607 26,386 38,202 38,202 3103,480 375,374 907,692 38,202 307,692 3103,480 375,374 907,692 300,692 300,692 3103,480 322,640 1,034,493 300,692	Deisel manoeum	silocomotives											
Cars maintenance & repairs 729,780 1,747,692 2,477,472 547,335 1,310,769 182,445 426,923 Air lines at supplying stations maintenance & repairs 107,542 152,809 260,351 80,657 114,607 26,286 38,202 Tools at departments workshops maintenance & repairs 2,301,496 3,630,768 5,932,264 1,726,122 2,723,076 575,374 907,692 Accident clearing tools maintenance & repairs 1,330,561 4,137,973 5,488,534 997,921 3,103,480 332,640 1,034,493 Water pumps & Tainish rance expenses for demance exp	218 maintenance & re	pairs	1,434,970	2,077,342	3,512,312			1,434,970	2.077.342				:
Air lines at supplying stations 107,542 152,809 260,351 60,657 114,607 26,286 38,202 Tools at departments workshops Tools at departments workshops 2,301,496 3,630,768 5,932,264 1,726,122 2,723,076 575,374 907,692 Accident cleaning tools 1,330,561 4,137,973 5,468,534 997,921 3,103,480 332,640 1,034,493 Water pumps & Tables 11,696 356,037 470,723 86,015 267,028 28,672 89,009 Maintenance expenses for demages caused by accidents 1,592,446 2,956,716 4,549,161 1,194,335 2,217,536 22,175,536 20,200,039 51,317,029 14,590,660 20,686,506 Total (exclud. presidency) 6,176,511 12,981,994 19,138,506 11,134,335 14,590,660 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 20,686,506 <t< td=""><td></td><td>e & repairs</td><td>729,780</td><td>1,747,692</td><td>2,477,472</td><td>547,335</td><td>1,310,769</td><td>182,445</td><td>436.923</td><td></td><td></td><td></td><td></td></t<>		e & repairs	729,780	1,747,692	2,477,472	547,335	1,310,769	182,445	436.923				
maintenance & repairs 107,542 152,809 260,351 80,657 114,607 26,286 38,202 Tools at departments workshops maintenance & repairs 2,301,496 3,630,768 5,932,264 1,726,122 2,723,076 575,374 907,692 Accident cleaning tools 1,330,561 4,137,973 5,488,534 997,921 3,103,480 1,034,493 Water, pumps & Tanks 114,686 356,037 470,723 86,015 267,028 28,672 89,009 Maintenance expenses for demages caused by accidents 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 22,175,306 20,086,506 Total 45,059,822 377,843,913 422,903,735 20,200,039 51,317,029 14,590,660 20,686,506 Total (e,176,511 12,981,994 19,138,506 11,34,335 51,317,029 14,590,660 20,686,506		ying stations											
Tools at departments workshops 2,301,496 3,630,768 5,932,264 1,726,122 2,723,076 575,374 907,692 Accident cleaning tools 1,330,561 4,137,973 5,488,534 997,921 3,103,480 332,640 1,034,493 Water pumps & Tanks 114,686 356,037 470,723 86,015 267,028 28,672 89,009 Maintenance expenses for demages caused by accidents 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 Total (exclud. presidency) 30,098,347 82,032,330 112,130,677 112,130,677 112,130,677		pairs	107,542	152,809	260,351	80,657	114,607	26,286	38,202				
maintenance & repairs 2,301,496 3,630,768 5,932,264 1,726,122 2,723,076 575,374 907,692 Accident cleaning tools 1,300,561 4,137,973 5,488,534 997,921 3,103,480 332,640 1,034,493 Water pumps & Tanks 114,696 356,037 470,723 86,015 267,028 28,672 89,009 Maintenance expenses for caused by accidents 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 Total (exclud. presidency) 30,098,347 82,032,330 112,130,677 11,194,335 51,317,029 14,590,660 20,686,506	Tools at departm	ents workshops											
Accident cleaning tools 1,330,561 4,137,973 5,488,534 997,921 3,103,480 332,640 1,034,493 Water pumps & Tanks 114,686 356,037 470,723 86,015 267,028 28,672 89,009 Maintenance expenses for damages caused by accidents 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 Total (exclud. presidency) 30,098,347 82,032,330 112,130,677 112,130,677 14,590,660 20,686,506 I chail (exclud. presidency) 6,176,511 12,981,994 19,138,505 112,130,677 112,130,677	-=-	pairs	2,301,496	3,630,768	5,932,264	1,726,122	2.723.076	575.374	907 692				
maintenance & repairs 1,330,561 4,137,973 5,488,534 997,921 3,103,480 332,640 1,034,493 Water pumps & Tanks Traintenance & reapirs 114,686 356,037 470,723 86,015 267,028 28,672 89,009 Maintenance expenses for damages caused by accidents 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 Total (exclud. presidency) 30,098,347 82,032,330 112,130,677 112,130,677 14,590,660 20,686,506 I chail (exclud. presidency) 6,176,511 12,981,994 19,138,505	Accident cleaning	toots											
114,686 356,037 470,723 86,015 267,028 28,672 89,009 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 45,059,822 377,843,913 422,903,735 20,200,039 51,317,029 14,590,660 20,686,506 30,098,347 82,032,330 112,130,677 6,176,511 12,981,994 19,158,505		pairs	1,330,561	4,137,973	5,468,534	997,921	3,103,480	332,640	1,034,493				
114,636 356,037 470,723 86,015 267,028 28,672 89,009 1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 45,059,822 377,843,913 422,903,735 20,200,039 51,317,029 14,590,660 20,686,506 30,098,347 82,032,330 112,130,677 6,176,511 12,981,994 19,158,505	Water pumps &	Tanks											
1,592,446 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 45,059,822 377,843,913 422,903,735 20,200,039 51,317,029 14,590,660 20,686,506 30,098,347 82,032,330 112,130,677 6,176,511 12,981,994 19,158,505	223 maintenance & re	apirs	114,686	356,037	470,723	86,015			89 009				
1,592,445 2,956,715 4,549,161 1,194,335 2,217,536 398,112 739,179 45,059,822 377,843,913 422,903,735 20,200,039 51,317,029 14,590,660 20,686,506 30,098,347 82,032,330 112,130,677 6,176,511 12,981,994 19,158,505	Maintenance exp	enses for											:
(exclud presidency) 30,098,347 82,032,330 112,130,677 20,200,039 51,317,029 14,590,660 20,686,506 (exclud presidency) 30,098,347 82,032,330 112,130,677 6,176,511 12,981,994 19,158,505	230 damages caused	by accidents	1,592,446	2,956,715	4,549,161	1,194,335	2,217,536	398,112	739 179				
30,098,347 82,032,330 112,130,677 6,176,511 12,981,994 19,158,505	Total		45,059,822	377,843,913	422,903,735	20,200,039	51,317,029	14,590,660	20,686,506	135	•	1,165,667	1 756 605
12,981,994	Total (exclud, pre	sidency)	30,098,347	82,032,330	112,130,677								
			6,176,511	12,981,994	19,158,505	· · · · · · · · · · · · · · · · · · ·					-		

Train & Rolling Stock Operating Expenses

-	cochody Shinardo your Sillion of his	בייניים לעין היי	:	, .								
					Passer		- 1	Freight cost	Alex. F	<u>8</u>	Cairo - As	Cairo - Aswan Psg.
		Chapter 1	Chapter 2	Total	Wage		Wage	ē	Wage	Materia	Wage	Material
ន្ត	Presidency current expenses	21,877,814	897,774	22,775,588	0.75	0.75	0.25	0.25				
									. ,		:	
3	4	21,136,388	6,479,199	27,615,587	21,136,388	6,479,199					-	
8	Operating expenses for freight stations	6,731,508	934,375	7,665,883			6,731,508	934,375				
312	Yard lighting & operation expenses	5.106,779	500,230	5,607,009	3,830,084	375,173	1,276,695	125,058				
5		-					. :					
333	-	7,574,307	:1,376,286	18,950,593	:		7,574,307	11,376,286				
Ş	Passenger security & operation	000 007 6	20.20	2 587 800	3 787 830	5						:
	_	0,706,065	2000	200,100.5	3, 752, 1523	33,55						
3	operation expenses	:	6,804	408.9		5,103	,	1,701				
	Operating expenses for signals &											
322	connectors	14,135,484	301,047	14,436,531	10,601,613	225,785	3,533,871	75,262				
8		2000	100 40	1000 000				7 970 72				
3		7967	38.88	/98'99/	786,115	23,164	38.50	1.721				
	Preparing Electrical units	135 E	25,534	119,724								
ន		7,303,448	10,821,995	18,125,443	5,477,586	8,116,496	1,825,862	2,705,499				
8		585,835	819,090	1,404,985	585,895	819,090						
33		1,137,093	227,706	1,364,799					1,137,093	227,706	1	
		6,841,879	877,406	7,719,285	6,841,879	877,406						
		871,389	858'28	959,287							871,389	87,898
		332,499	1,286	333,785							332,499	1,286
337	Preparing Freight wagons	4,237,601	398,831	4,636,432			4,237,601	398,831				
				- 1								
8	=-	2,197,001	905,610	3,102,611			2,197,001	905,610				
8	Operating expenses for Electrical units	228,448	19 804 505	20.032.953		1						
	Operating expenses for Deisel											
Ä	locomotives	18,610,137	69,740,702	88,350,839	13,957,603	52,305,527	4,652,534	17,435,176				
	Operating expenses for Deisel											
3		1.057,878	1,735,605	2,793,483	1,057,878	1,735.605						
253	Operating expenses for Torbini	71.22	2 807 472	3 578 704	3	2 807 473						
	-		7			2,57						
8		12,562,151	1,017,128	13,579,279	12,562,151	1,017,128						
8	Operating expenses for Sleeping coaches	123 830	-23 093	100 737						-	122 830	8
		400000	337 336	6 355 4 673			6 000 007	300 1 00				
	- Constant	1050,000	1027	001,000,0			1,050,050,0	274,440				

ng expenses for Electrical agons al power units operation ance comotives operation ance units operation ance units operation ance ance ance ance ance ance wagons operation ance wagons operation ance wagons operation ance wagons operation ance wagons operation ance wagons operation ance wagons operation ance wagons operation ance in ance wagons operation ance in ance in ance in ance wagons operation ance wagons operation ance wagons operation ance wagons operation ance in an	8	Operating expenses for Car 348 (wadons	392,932	969,272	362,204	392,932	369,272						
1,000	و ا	Operating expenses for Electrical											
Page 257 10,522,235 20,803,432 7,410,133 8,192,426 2,470,064 2,730,809 148,245 1,123,009 1,123,009 1,46,245 1,46,245 1,46,245 1,46,245 1,46,245 1,46,245 1,46,245 1,230,807 1,24,1340	ی او	Electrical power units operation	3	222 645	777 875					-			
mice 9,880,357 10,922,285 20,803,482 7,410,183 8,192,426 2,470,064 2,730,809 8,120,183 7,410,183 8,192,426 1,48,245 1,48,246 1,48,244 1,24,486 1,24,486 1,24,386	ا⊊	Desel tocomotives operation	20,102	210/20									
mittes operation 974,764 148,245 1,123,009 974,764 148,245 9,633,489 9,987,374 974,764 148,245 9,633,489 9,987,374 9,633,489 9,987,374 9,633,489 9,6		maintenance	9,880,257	10,923,235	20,803,492	7,410,193	8,192,426	2,470,064	2,730,809		-		
units operation \$74,764 148,245 1,123,000 \$974,764 148,245 \$963,489 \$97,774 148,245 \$97,744 \$148,245 \$963,485 \$97,974 \$97,746 \$148,245 \$963,485 \$97,746 \$987,974 \$987,527 \$23,386,521 \$28,386,521 \$28,386,521 \$28,386,521 \$28,485 \$963,485 <th>1</th> <td>Deisel unitss operation</td> <td></td>	1	Deisel unitss operation											
units operation 354,485 9,633,489 9,987,974 C2,388,521 22,388,	s	maintenance	974,764	148,245	1,123,009	974,764	148,245						
ance 354,485 9,633,489 9,987,974 A.B. Coaches operation 354,485 9,633,489 9,633,489 A.B. Coaches operation 3,222,881 22,388,521 22,388,521 22,388,521 22,388,521 22,388,521 22,388,521 A.B. Coaches operation 707,746 A.B. Coaches operation 707,746 A.B. Coaches operation 707,746 A.B. Coaches operation 728,505 A.B. Coaches operation	۱ ٔ	Torbini units operation											
ger coaches operation 6.467,547 22,388,521 28,856,068 6.467,547 22,388,521 22,171,507 1,241,340 22,171,507 1,241,340 22,171,507 1,241,340 22,171,507 22,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 23,171,507 2	c)	maintenance	354,485	9,633,489	9,987,974				-	354,485	9,633,489		
since 6.467,547 22,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,521 23,388,51,739 23,388,51,739 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,51,731 23,388,71,731 23,388,71,731	1	Passenger coaches operation				:							
sing Aluminum line units 158 352 651 3530,607 13,202,667 13,202,667 13,202,667 13,088,073 13,088,073 13,088,073 146,881,648 168,739,426 13,088,073 13,088,073 13,088,073 146,881,648 189,041,722 335,303,370 13,088,073 13,088,073 146,881,678 146,881,648 152,22,861 152,22,861 153,025 157,089 158,739 158,737 158,737 158,737 158,737	4	maintenance	6,467,547	22,388,521	28,856,068	6,467,547	22,388,521						
since 707,746 3,222,861 3,930,607 707,746 707,741 840,841,722 707,746 707,741 840,841,722 85,721,259 4,821,259 4,264,289 707,746 707,746 707,741 840,841,742 861,195 2,382,121 707,741 840,861,648 189,041,772 335,903,370 113,088,073 46,687,475 42,171,507 1,491,578 9,861,195 2,382,121	1 1	Sleeping wagons operation					. :	:				- · · -	
vaeches operation 346,657 381,848 728,505 A,821,259 4,821,259 4,264,289 346,657 wagons operation 4,821,259 4,821,259 4,821,259 4,821,259 346,657 ance mance unite 1,241,840 876,665 2,118,505 5,20 6,517,397 1,241,840 876,665 3,520 6,517,397 4,687,475 4,821,1507 1,491,578 9,861,195 2,382,121	10	maintenance	707,746	3,222,861	3,930,607							707,746	3,222,861
wagons operation 346,657 381,848 728,505 9085,548 4,821,259 4,264,289 346,657 ance mance under control and control a	- 0	Dining coaches operation											
wagons operation 4,821,259 4,264,289 9,085,548 4,821,259 4,264,289 4,821,259 4,264,289 9,085,548 9,085,548 9,085,548 9,085,548 9,085,548 9,085,085 9,085,685 9,085,685 9,085,685 9,085,085	40	maintenance	346,657	381,848	728,505							346,657	381,848
ance manoeuvre 1,241,840 876,665 2,118,505 6,517,397 6,517,397 1,241,840 876,665 2,118,505 6,517,397 6,517,397 1,241,840 876,665 2,118,505 113,088,073 46,687,475 42,171,507 1,491,578 9,861,195 2,382,121 146,861,648 189,041,722 335,903,370		Freight wagons operation											
ance manoeuvre 1,241,840 876,665 2,118,505 1,241,840 876,665 2,118,505 1,241,840 876,665 1,241,840 876,665 1,241,840 876,665 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,840 1,241,847 1,241,577 1,2	P	maintenance	4,821,259	4,264,289	9,085,548		-	4,821,259	4,264,289				:
ves 1,241,840 876,665 2,118,505 1,241,840 876,665 2,118,505 lance for electrical power 9,520 6,517,397 6,5	100	Maintenance manoeuvre											
ance for electrical power 9,520 6,517,397 6,526,917 9,520 6,517,397 6,517,39	m	locomotives	1,241,840	876,665	2,118,505			1,241,840	876,665				
9,520 6,517,397 6,526,917 9,520 6,517,397 6,527,397 9,520 113,089,073 46,687,475 42,171,507 1,491,578 9,861,195 2,382,121 146,861,648 189,041,722 335,903,370		Maintenance for electrical power							-				
hing Aluminium line units 153,955 23,124 177,089 173,089 113,088,073 45,687,475 42,171,507 1,491,578 9,861,195 2,382,121 146,861,648 189,041,722 335,903,370	~	wagons	9,520	6,517,397	6,526,917	9,520	6,517,397						
168,739,462 189,939,496 358,678,958 96,872,080 113,088,073 46,687,475 42,171,507 1,491,578 9,861,195 2,382,121 146,861,648 189,041,722 335,903,370	'ما	Maintaining Aluminium line units	153,955	23,134	177,089								
189.041.722		Total	168,739,462	189,939,496	358,678,958	95,872,080	113,068,073	46,687,475	42 171,507	1,491,578	9,861,195	2,382,121	3,670,800
	1		146.861.648	189 041 722	335,903,370								

Appendix 3.9.6 (3)) Estimation of Unit	f Unit Cost		-:-							
										,	
	Passenger	Freight		passs.	Freight	Pass					
Train -km (year)	43,628,849	ı		0.856							
(day)	119,531	20,028		Adj 0.85	Adj. 0.15						
Locomotive km	43,792,367	11,167,886	54,960,253	767.0							
	(Statistics data)			Adj. 0.80	Adj 0.20						
Car - km	385,317,557	156,481,486	541,799,043	0.711	_	8.8	21.4			-	
Track km			5,342	Ę	Main Lin	2,508					
	Wage	Material/serv.		┰						-	
Infrastructure	49,733,365	23,379,549	73,112,914							-	
Peculia Main line	5,534,839	6,260,853		: :					-		
Revised	61,962,329								-		
	4,827,062	4,561,716	9,388,778								
	57,135,267	19,773,366	76,908,633								
				- 1		Freigh	Freight Cost	Cairo-Alex	-Alex	Cairo-Aswan	SWan.
				Wage	Material		Material	Wage	riat	Wage	Material
Rolling Stock Maintenance				20,200,039	51,317,029	14,590,660	20,686,506	135	•	5,667	1,756,605
Train Operation				95.872.080	_	.	703 171 607	1 404 578	301 100	2000 0	2000
				116.072:19	164 405 102	Į.	62 858 012	1 101 712	9851 105	2 547 700	3,000
				144,613,155	ļ	76.345.849	65 427 049	1 958 511	10.264.227	334 OCA A	2 6/0 226
					315,737,571	1	141,772,898		12 122 738		10,000,181
		۹								-	2000
Wage	232,123,120	ı	1.245891							-	
Materials/service	265,931,263	2	1,040870								
	3	566,000,000									
Estimation of train km	Passenger	4									
	44,406,265	5,752,855	50,159,120								
Grade-2 km	44,440,977		54,778,849								
Grade-1 km	44,440,977	1	50,302,147								
Unit Cost		O a file	Avenage								
Infrastructure	Fored Cost	1	5 750	i Ellemane	pecularity	- C. North Street	0				
	100000000000000000000000000000000000000	200	60000	ייייייייייייייייייייייייייייייייייייייי	8	SOO LEVRITI-YEAR	3/0				
	Variable C.	80.0	0.64239	LE/train-km,y	0.11457	LE/train-km,y	96996.0				
Operation/M.Rolling S.	per Psg.T-km			7.10465	LEArain-km v						
	per Frg. T-km			21,94230	+						
					⊹-1						
Uepreciation cost											
Fixed cost	80,000,000	14,975.7	Main	15,838.8							
V 4 - 12 - 14 - 14 - 14 - 14 - 14 - 14 -			Branch	12,671.0							
Valiable	156,600,000	2.858768									
Fright train weight	1 1000 + 27	740	1 57						_		
			1					_			

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Cairo - Alexandna	(day) 27,278 46,320 6,327 6,327 7,952 1,649 1,619 1,113 1,113 1,670 1,633 820 820 820 820 820 820 820 820 820 820		┷╂╼╂╼╀╼╀╼┞╼┠┅╏╍╏╼┼┉┹╾╏═╏╼╁╼╁╼╁╼┼┉╁╾╎╸┠╍┞╍╏╼┞	(Grade) 29,319,764 29,319,764 2,77,234 2,4142,976 34,142,976 361,131 888,921 888,921 888,921 243,747 223,699 365,730 365,730 365,730 365,730 179,580	7.841 7.841 157.028 7.841 157.028 7.841 141 141 141 141 141 141 141 141 141	8 8 8 8 8 7 1 1 1 0 0 1 8 8 8 1 8 1 8 1 8 1 8 1 8 1	(Grade-1) 674,960 2,175,042 4,75,951 196,061 3,482,014 7,841 113 101,023 113 8,068 8,068 8,068 9,487 9,487	(Grade-2) 1,015,936 3,480,067 761,532 313,638 5,571,222 5,571,222 301,494 12,546 160,637 180 12,546	10,335,700 24,035,407 3,532,748 1,810,344 39,714,138 903,367 941,704 956,334 1,050,558 956,334 245,342 245,342 245,345 245,342 245,345 245,345 245,345 245,345 245,345
Cairo - Alexandria 417 Cairo - El Sad El Ali 1,679 Benha - Ismailia - Port Said 304 Benha - Ismailia - Port Said 304 Tanta - El Mansoura 108 Nefisha - Suez 175 El Mansoura - Domietta 63 Zagazig - Tanta 63 Imbaba - Itay El Baroud 120 Alex Sidi Gaber - Abu Qir 45 Cairo - Qalyub - Tanta 107 Cairo - Qalyub - Tanta 129 El Mansoura - Mataria 66 El Mansoura - Rashid 66 El Mansoura - Rashid 66 El Mansoura - Rashid 66 El Mansoura - Mataria 33 Abu Kebir - El Salheia 34 Senha - Zefta 77 Cairo - Calyub - Zagazig 77 Cairo - Calyub - Zagazig 77 Cairo - Calyub - Zagazig 77 Abu Kebir - El Salheia 33 Abu Kebir - El Salheia 33 Abu Kebir - El Salheia 33 Benha - Manalet Rouh 19 Manalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Cabbari - M. Matruh 328 Sherbin - Qelein 62 Sousei - El Qassabi 250	21,278 46,920 1,754 1,649 1,649 1,649 1,649 1,113 1,670		888888888888888888888888888888888888888	20,555,340 20,555,340 24,142,976 36,144 36,144 366,154 203,670	2,718,802 1,475,921 2,025,774 2,025,774 2,025,774 1,57,028 1,246 1,246 1,246 1,246 1,246 1,246 1,246 1,246 1,246 1,246 1,246	8888 4888 8888 8888	2,175,042 2,175,042 1,475,041 3,482,014 1,88,434 7,841 101,023 113 8,068	1,015,936 3,480,087 761,522 313,638 5,571,272 5,471,272 301,494 12,546 161,637 180	10,335,700 24,035,407 36,532,748 36,1704 503,481 1,050,558 356,334 356,344 3
Calro - El Sad El Ali 1,679 Benha - Ismailia - Port Said 304 Tanta - El Mansoura 2,508 Main Line 175 El Mansoura - Domietta 63 Zagazig- Tanta 63 Imbaba - Itay El Baroud 45 Alex - Sidi Gaber - Abu Qir 45 Alex - Sidi Gaber - Abu Qir 45 Ein Shams - Suez 61 Ein Shams - Suez 61 El Wansoura - Abu Kesah 61 El Wansoura - Abu Kesah 65 El Wansoura - Mataria 77 Cauro - Calyub - Zagazig 69 Abu Kebir - El Salheia 34 Benha - Zerta 30 Faqus - El Samaina 10 Menuf - Kafr El Zaivat 49 Menuf - Kafr El Zaivat 49 Menuf - Mananhur 25 Abis - Qabbari - M. Matruh 328 Sherbin - Gelein 82 Bousei - El Gassabi 29	46,820 4,327 1,562 1,754 1,754 4,026 1,576 1,173 1,933 870 1,933 870 1,197 1,197 1,197		8 2 2 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	20,555,340 1,426,626 34,142,976 361,131 640,231 556,154 874,029 345,144 243,747 223,559 365,136 243,747 223,559 365,136 243,747 223,559 365,136 243,747 243,	2.718.802 475.951 4.025.774 2.82.412 1.57.028 7.841 84.186 7.906 7.906 7.906 7.906 7.906 7.906 7.906 7.906 7.906 7.906	888 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	2,175,042 475,951 3,482,014 3,388,894 1,88,434 1,107,073 11,107,073 11,13 8,068 8,068 9,787 9,487	3,480,067 761,522 313,638 5,571,222 301,434 12,546 161,637 180 12,909	24 036 407 3,532,748 39,714,138 90,362 94,14,138 90,362 94,102 956,334 974,029 974,029 245,342 245,342 245,342 246,3
Benha - Ismailia - Port Said 304 Tanta - El Mansoura 108 Nain Line 2,508 Nefisha - Suez 175 El Mansoura - Domietta 63 Zagazig - Tanta 120 Alex - Sidi Gaber - Abu Qir 45 Calro - Calyub - Tanta 107 En Shams - Suez 129 El Wasta - Abu Kesah 61 El Wasta - Abu Kesah 67 El Wasta - Abu Kesah 66 El Wasta - Shebin Eli Kanater 21 El Mansoura - Rashid 66 El Mansoura - Mataria 77 Cairo - Calyub - Zagazig 67 Zagazig - El Sanaina 10 Menuf - Kafr El Zaivat 49 Benha - Menuf 25 Benha - Menuf 25 Benha - Menuf 82 Sherbin - Gelein 82 Sherbin - Gelein 82	6.327 7.756 1.756 1.756 1.576 1.576 1.776	2.309,355 1,247,205 28,452,480 601,885 600,210 550,035 1,456,715 1,593,590 1,456,715 275,240 406,245 209,450 309,885 705,545 705,745 705 705 705 705 705 705 705 705 705 70	888888888888888888888888888888888888888	2,777,226 34,142,976 34,142,976 361,131 640,210 589,035 889,021 346,144 243,747 243,74	475,951 4,025,774 282,412 157,028 1,7,028 1,44 1,44 1,246 7,906 7,906 1,246 7,906 1,246 7,906 1,246 7,906 1,246 7,906 1,246 7,906	2	196,061 3,482,014 338,894 188,434 101,073 113 8,068 8,068 9,487 9,487	761,522 313,638 5,571,222 5,42,231 301,484 12,546 161,637 180	3,532,748 1,810,344 39,714,198 903,362 903,362 956,334 874,029 956,334 245,342 245,342 245,342 245,342 245,342 245,342 245,342 245,342 245,342 245,342 245,342 245,342 245,342
Tanta - El Mansoura 108 Main Line 2,508 Nefisha - Suez 175 El Mansoura - Domietta 63 Zagazig - Tanta 120 Imbaba - Ray El Baroud 45 Alex - Sidi Gaber - Abu Qir 45 Calro - Calyub - Tanta 107 En Shams - Suez 129 El Wasta - Abu Keeah 61 El Wasta - Abu Keeah 61 El Wasta - Abu Keeah 66 El Wasta - Abu Keeah 66 El Mansoura - Rashid 66 El Mansoura - Rashid 66 Zagazig - El Mansoura 33 Abu Keerr - El Salheia 34 Benha - La Samaina 10 Menuf - Kafr El Zaiyat 49 El Santa - Mahalet Rouh 19 Manaier Rouh - Damanhur 25 Abis - Qabbari - M. Matruh 328 Sherbin - Gelein 82 Bousei - El Qassabi 29	3417 77,952 77,952 1,754 4,068 3,393 1,173 1,173 1,027	28,425 28,425 590,335 1,481,535 1,593,590 1,486,715 1,593,590 275,240 275,240 275,240 275,240 275,240 275,240 275,240 275,425 239,425 239,300 239,300 239,300 239,300 239,885 239,885	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1,496,646 34,142,976 861,131 640,210 580,935 888,921 986,154 974,747 243,747 243,747 243,747 243,747 243,747 243,747 243,747 243,747 179,256 705,256 705,256 179,256	196,061 4,025,774 282,412 157,028 157,028 141 141 1,246 7,906 7,906 7,906 12,981 12,981	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	196,061 3,482,014 338,834 188,434 101,023 113 113 8,068 8,068 9,487 9,487	313,638 5,571,222 5,42,231 301,494 12,546 16,637 180 12,909	39,714,138 903,362 904,704 605,481 1,055,558 956,334 874,029 245,342 245,342 245,342 245,342 245,342 275,345 775,14779
Main Line 2,508 Nefisha - Suez 175 El Mansoura - Domietta 63 Zagazig - Tarita 57 Imbaza - Itay El Baroud 120 Alex Sidl Gaber - Abu Qir 107 Calro - Calvub - Tarita 107 Ein Shams - Suez 129 Ein Wasta - Abu Keeah 61 Ein Wasta - Abu Keeah 61 Ein Wasta - Suez 12 Ein Wasta - Suez 17 Ein Mansoura - Rashid 66 Ein Mansoura - Rashid 66 Ein Mansoura - Mataria 77 Cairo - Calvub - Zagazig 77 Zagazig - El Samaina 10 Mertuf - Kafr El Zaivat 49 Mertuf - Kafr El Zaivat 49 Mertuf - Menuf 25 Abis - Qabbari - M. Matruh 328	7, 952 1, 649 1, 154 1, 156 1, 173 1,	28,425,480 601,886 640,210 590,935 1,481,535 1,593,590 1,486,715 239,426 669,550 965,425 706,546 339,425 706,546 706,546 706,546 339,885 706,546 706,546 706,546 706,546 706,546	888888888888888888888888888888888888888	34,142,976 361,131 640,210 550,935 888,921 888,921 243,747 223,670 223	2,025,774 282,412 157,028 7,841 141 141 10,085 1,246 7,906 7,906 7,906 7,906 7,906	2 1 1 0 0 0 1 1 2 1 2 1 2 1 2 1 2 1 2 1	3,482,014 338,894 188,434 7,841 101,073 113 8,068 8,068 9,487 9,487	5,571,222 542,231 301,494 12,546 161,637 180 12,909	39,714,138 903,362 941,704 941,704 1,050,558 1,050,558 356,334 245,342 245,342 245,345 224,345 365,730 666,773 666,773
Nefsha - Suez	1,754 1,754 1,754 1,756 1,756 1,757	640,210 590,935 1,593,530 1,593,530 1,456,715 275,240 275,240 275,240 275,240 275,240 275,240 275,425 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545 705,545	888888888888888888888888888888888888888	261,131 640,210 888,921 888,921 874,029 345,144 243,747 223,670 223,670 223,699 345,730 223,699 345,730 273,589 7705,545 7705,545 7705,545 7705,545 7705,545 7705,545 7705,545	282,412 157,028 7,841 141 141 10,085 7,906 7,906 7,906 7,906	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	338,894 188,434 7,841 101,023 113 8,068 8,068 997 9,487	542,231 301,494 12,546 161,637 180 12,909	903,962 941,704 603,481 1,050,558 374,023 388,053 245,342 224,345 365,730 661,773
Ei Mansoura - Domietta 63 Zagazig - Tanta 57 Imbaba - Itay Ei Baroud 120 Alex Sidi Gaber - Abu Qir 45 Cairo - Qalyub - Tanta 107 Ein Shans - Suez 61 Ein Mars - Sub Keezh 67 Ei Mars - Abu Keezh 67 Ei Mars - Abu Keezh 66 Ei Mars - Bashid 66 Ei Marsoura - Mataria 71 Cairo - Qalyub - Zagazig 77 Cairo - Qalyub - Ei Salheia 33 Faqus - Ei Samaina 10 Meruf - Kaff Ei Zaiyat 49 Meruf - Kaff Ei Zaiyat 49 Meruf - Maruh 328 </td <td>1,754 1,619 1,576 1,173 1,173 1,197 1,197 1,197 1,197 1,197</td> <td>590,935 1,481,535 1,593,590 1,456,715 275,240 372,665 609,550 965,425 705,545 705,545 705,545 708,985 708,985</td> <td>888888888888888</td> <td>640,210 590,935 888,921 874,029 345,144 243,747 203,670 223,699 365,730 365,730 365,730 370,545 705,545 170,580</td> <td>157,028 7,841 141 141 10,085 7,906 7,906 7,906 7,906</td> <td>0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>188,434 7,841 101,023 113 - 8,068 97 9,487 466</td> <td>301,494 12,546 161,637 180 180 12,909</td> <td>241,704 603,481 1,050,558 34,023 38,053 245,342 245,342 224,345 365,730 661,739</td>	1,754 1,619 1,576 1,173 1,173 1,197 1,197 1,197 1,197 1,197	590,935 1,481,535 1,593,590 1,456,715 275,240 372,665 609,550 965,425 705,545 705,545 705,545 708,985 708,985	888888888888888	640,210 590,935 888,921 874,029 345,144 243,747 203,670 223,699 365,730 365,730 365,730 370,545 705,545 170,580	157,028 7,841 141 141 10,085 7,906 7,906 7,906 7,906	0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	188,434 7,841 101,023 113 - 8,068 97 9,487 466	301,494 12,546 161,637 180 180 12,909	241,704 603,481 1,050,558 34,023 38,053 245,342 245,342 224,345 365,730 661,739
Zagazig - Tanta 57 Imbaba - Itay Ei Baroud 120 Alex Sidi Gaber - Abu Qir 45 Calro - Qalyub - Tanta 107 Ein Shams - Suez 61 Ein Mars - Suez 61 Ein Mars - Suez 66 Ei Mars - Abu Kearh 21 Ei Mars - Rashid 66 Ei Mansoura - Rashid 77 Cairo - Calyub - Zagazig 77 Zagazig - Ei Mansoura 69 Abu Kebir - Ei Salheia 34 Benha - Zefta 33 Faqus - Ei Samaina 10 Meruf - Kafr Ei Zaiyat 49 Meruf - Kafr Ei Zaiyat 45 Meruf - Meruf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qelein 62 Benha - Meruf 25 Benha - Bel Qassabi 29	1,619 4,059 4,059 1,576 1,113 1,670	590,935 1,481,535 1,456,715 275,240 372,665 609,525 705,545 705,545 705,545 706,545 708,840 78,840	8888888888888888	590,936 888,921 874,029 345,144 243,747 223,639 365,730 365,730 370,545 770,545 170,580	7,841 141 141 1,246 7,906 7,906 7,906 7,906	2 - 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0	7,847 101,023 113 8,068 997 9,487 466	12,546 161,637 180 12,909	203,481 1,050,558 956,334 374,029 245,342 245,342 224,345 224,345 365,730 661,779
Imbaba - Itay El Baroud	4,056 4,366 1,576 1,670	1,481,535 1,593,590 1,456,715 275,240 339,450 375,240 375,240 372,565 565,425 705,545 705,545 706,545 708,840		288,921 956,154 345,144 243,747 203,670 223,599 365,730 365,730 370,545 705,545 170,580 170,580	10.085 1.246 7.906 7.906 7.906 7.906 12.880	2 - 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	101,023 113 8,068 997 9,487 466	161,637	1,050,558 956,324 874,029 358,342 245,342 218,850 224,345 224,345 955,730 661,779
Alex Sidi Gaber - Abu Qir 45 Cairo - Qalyub - Tanta 107 Ein Shams - Suez 129 Ei Wasta - Abu Kesah 61 Ei Mannoura - Rashid 66 Ei Mansoura - Mataria 77 Cairo - Calvub - Zagazig 77 Zagazig - Ei Mansoura 834 Abu Kebir - Ei Saheia 33 Benha - Zefta 338 Faqus - Ei Samaina 10 Meruf - Kafr Ei Zaiyat 49 Ei Santa - Mahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Mahalet Rouh 328 Sherbin - Qelein 82 Bensei - Ei Qassabi 25	2,986 1,113 1,113 1,670 1,670 1,670 1,670 1,670 1,670 1,197 448	1,552,530 1,456,715 575,240 339,450 377,550 377,566 609,550 966,425 705,545 705,545 706,545 708,840	8888888888888	256.154 874,029 245,747 223,670 223,670 365,730 365,730 570,545 705,545 170,580 170,580 170,580 170,580 170,580 170,580	141 10.085 7.906 7.906 42.981 12,880	0.80 - 0.8	8,068 997 9,487 466	12,909	256,324 874,029 358,053 245,342 218,850 224,345 365,730 661,779
Cairo - Calyub - Tanta 107 Ein Shams - Suez 129 Ei Wasta - Abu Kesah 61 Ei Wamoura - Rashid 68 Ei Mamoura - Rashid 77 Cairo - Casoura - Mataria 77 Cairo - Casoura - Marsoura 69 Abu Kebir - Ei Salheia 34 Benha - Zefta 33 Faqus - Ei Samana 10 Meruf - Kafr Ei Zaiyat 49 Ei Santa - Mahalet Rouh 73 Benha - Menuf 25 Abis - Qabbari - M. Matruh 328 Sherbin - Gelein 82 Bousei - Ei Qassabi 29	3,991 1,576 1,113 1,670 1,670 1,670 820 820 820 820 820 820 849 849 849 1,197	1,456,715 575,240 406,245 339,450 372,665 609,525 965,425 705,545 706,545 309,885	88888888888	874,029 345,144 243,747 223,670 223,670 365,730 570,545 705,545 1705 1705 1705 1705 1705 1705 1705 170	10.085 7.906 7.906 583 42.981	- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	8,068 997 987,8 4,86	12,909	374,029 358,053 245,342 218,850 224,345 365,730 661,779
Ein Shams - Suez 122 Ei Wasta - Abu Kesah 61 Ei Marnoura - Rashid 66 Ei Mannoura - Rashid 66 Ei Mannsoura - Mataria 71 Cairo - Calvub - Zagazig 69 Abu Kebir - Ei Salheia 34 Benha - Zefta 33 Faqus - Ei Samaina 10 Menuf - Kafr Ei Zaryat 49 Ei Santa - Wahalet Rouh 19 Mahaiet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabbari - M. Matruh 328 Sherbin - Gelein 82 Bousei - Ei Qassabi 29	1.176 1.173 1.670 1.670 1.670 1.670 1.670 1.197 448	575,240 406,245 339,450 372,665 669,550 965,425 705,542 705,542 709,885 78,840	8888888888	243,747 243,747 223,670 223,699 365,730 575,545 705,545 179,580 185,893	10,085 7,246 7,906 583 42,981 12,880	0.00 - 0.0	8,068 997 9,487 466	12,909	258,053 245,342 218,850 224,345 285,730 661,773
El Wasta - Abu Kesah 61 El Margo - Shebin El Kanater 21 El Mansoura - Rashid 66 El Mansoura - Mataria 71 Cagro - Calyub - Zagazig 69 Abu Kebir - El Salheia 34 Benha - Zeffa 33 Faqus - El Samaina 10 Menuf - Kafr El Zaivat 49 El Santa - Wahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabbari - M. Matruh 328 Sherbin - Qelein 82 Bousei - El Qassabi 29	930 1,021 1,021 1,020 820 820 849 849 1,197 1,197	239,455 239,450 372,685 663,550 705,545 705,545 705,545 709,885 78,840	88888888	243,747 203,670 223,599 365,730 679,266 770,545 179,580	1,246 7,906 583 583 42,981 12,880	0 - 0 0 0 - 0 - 0 - 0 - 0 - 0 -	997 9,487 466	202 .	245,342 218,850 224,345 365,730 661,779
Ei-Marg - Shebin Ei-Kanater 21 Ei-Mamoura - Rashid 66 Ei-Mansoura - Mataria 71 Cairo - Qalyub - Zagazig 77 Zagazig - Ei-Mansoura 69 Abu Kobir - Ei Salheia 34 Benha - Zefta 49 Faqus - Ei-Samaina 10 Menuf - Kafr Ei-Zaiyat 49 Ei-Santa - Mahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabbari - M. Matruh 328 Sherbin - Qelein 82 Bousei - Ei Qassabi 29	930 1 021 1 260 1 2 645 1 2 645 849 849 849 1 197 1 197	339,450 372,665 609,550 965,425 705,545 289,300 309,885 78,840	8888888	203,670 223,599 365,730 579,265 705,545 179,580	7,906 583 42,981 12,880	0.80	9,487	0	218,850 224,345 365,730 661,779
Et Mamoura - Rashid 66 Et Mansoura - Mataria 71 Cairo - Calvub - Zagazig 77 Zagazig - Et Mansoura 69 Abu Kerie - Et Salheia 34 Benha - Zerta 10 Meruf - Kafr Et Zaivat 49 GE Santa - Mahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Menuf 26 Abis - Qabbari - M. Matruh 328 Sherbin - Qetein 82 Bousei - Et Qassabi 29	1,021 1,670 2,645 1,933 820 849 2,16 1,197	372,665 609,550 965,425 705,545 229,300 309,885 78,840	888888	223,599 365,730 579,255 705,545 179,580	583 - 42,981 12,880	0.0 1.20 1.00	997	15,180	265,730 661,779
Et Mansoura - Mataria Cairo - Calyub - Zagazig 77 Zagazig - El Mansoura 69 Abu Kebir - El Salheia 33 Benha - Zefta 33 Faqus - El Samaina 10 Meruf - Kafr El Zaiyat 49 El Santa - Mahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Cabban - M. Matruh 328 Sherbin - Qetein 82 Bousei - El Qassabi 29	1,670 2,645 1,933 820 849 849 1,197 448	609,550 965,425 705,545 239,300 309,885 78,840	88888	365,730 579,255 705,545 179,580	42,981	8 8		746	365,730 661,779 776,453
Cairo - Qalyub - Zagazig 77 Zagazig - Ei Mansoura 69 Abu Kebir - Ei Salheia 34 Benha - Zefta 33 Faqus - Ei Samaina 10 Menuf - Kafr Ei Zaiyat 49 Ei Santa - Mahalet Rouh 19 Mahalet Rouh - Darnanhur 73 Benha - Menuf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qelein 82 Bousei - Ei Qassabi 29	2,645 1,933 820 849 2,16 1,197 449	305,425 705,545 229,300 309,885 78,840	0 - 0 0 8 8 8 8	579,255 705,545 179,580	12,981	88		•	661,779
Zagazig - Ei Mansoura 69 Abu Kebir - Ei Salheia 34 Benha - Zefta 33 Faqus - Ei Samaina 10 Menuf - Kafr Ei Zaiyat 49 Ei Santa - Mahalet Rouh 19 Wahalet Rouh 73 Benha - Mahalet Rouh 73 Benha - Menuf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qelein 82 Bousei - Ei Qassabi 29	216 216 1,197	705,545 299,300 309,885 78,840	888	705,545 179,580	12,880	8	51,577	82,524	726 452
Abu Kebir - El Salheia 34 Benha - Zefta 33 Faqus - El Samaina 10 Menuf - Kafr El Zaiyat 49 El Santa - Mahalet Rouh 73 Mahaiet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qelein 82 Bousei - El Qassabi 29	820 849 1,197 449	299,300 309,885 78,840	8 8 8 8	179,580	•		12,880	20,608	3
Benha - Zefta 33 Faqus - El Samaina 10 Menuf - Kafr El Zaiyat 49 El Santa - Mahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Cabban - M. Matruh 328 Sherbin - Qelein 82 Bousei - El Qassabi 29	216 216 1,197 449	309,885	0.60	185 931	_	·	i	•	179,580
Faqus - El Samaina 10 Menuf - Kafr El Zaiyat 49 El Santa - Mahalet Rouh 73 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qefein 82 Bousei - El Qassabi 29	1,197 449	78,840			ı	-		•	185,931
Menuf - Kafr El Zaiyat 49 El Santa - Mahalet Rouh 19 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qefein 82 Bousei - El Qassabi 29	1,197		8	47,304		•			47,304
El Santa - Mahalet Rouh 73 Mahalet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabban - M. Matruh 328 Sherbin - Qefein 82 Bousei - El Qassabi 29	449	436,905	890	262,143	-	•		•	262,143
Mahaiet Rouh - Damanhur 73 Benha - Menuf 25 Abis - Qabbari - M. Matruh 328 Sherbin - Qefein 52 Bouseii - El Qassabi 29		163,885	800	98,331		Ī		 	98,331
Benha - Menuf 25 Abis - Qabbari - M. Matruh 328 Sherbin - Qefein 52 Bouseli - El Qassabi 29	3,161	1,153,765	0.60	692,259	288	8	469	750	693,009
Abis - Qabbari - M. Matruh 328 Sherbin - Qelein 82 Bouseli - El Qassabi 29	888	254,770	0.60	152,862					152,862
Sherbin - Qetein 62 Bouseli - El Qassabi 29	3,555	1,297,575	0.60	778,545	178,800	1.00	178,800	286,080	1,064,625
Bouseli - El Qassabi 29	2,391	872,715	99.0	523,629	2,385	0.80	1,908	3,063	526,682
	478	174,470	0.60	104,682	306	0.80	245	392	105,074
ris 11	229	83,585	0.60	50,151	•	٠	•	•	50,151
Desuq - Motobus	373	136,145	0.60	81,687	306	0.80	245	392	82,079
-	•	-	•	•	18,811	1.20	22,573	36,117	36,117
El Geish - El Magharat 24	•	-	•	•	•	-	-	-	
um 260	220	189,800	800	113,880	33,669	0.80	26,935	43,096	156,976
Tebbin - Baharia 346	-			-	480,440	3.8	1,441,320	2,306,112	2,306,112
El ithad - Qabbari 108	•		•	•	338,310	1.50	507,465	811,944	811,944
Beni Suef - El Lahun 25 3	341	124,465	0.30	37,340	E	•	•	-	37,340
Gaweish - Abu Sammad 12	93	33,945	0.30	10.184	-	•	-	-	10,184
39 El Gabal El Asfar	•	•	,		•	•	7	•	
Kafr Saad - Kafr Silman 3	13	4,745	0.30	1,424		•	•	ı	1 424
Kafr Bateikh - Domietta Port	•		•		23,550	1.20	28,260	45,216	45,216
42 Qena - Safaga 233	-	•		•	42,630	1.20	51,156	81,850	81,850
/Suburban 2,834 !	43,709	15,953,785		10,238,001	1,727,082		2,979,156	4,766,650	15,064,651
Ĺ	121,661	44,406,265		44,440,977	5,752,856		6,461,170	10,337,872	54,778,849

ġ	~~	7-	77	6	4		7	80	o	ç	;	2	13	4	15	16	12	8	6	R	74	8	ĸ	2	X	R	27	8	83	ន	31	32	8	8	38	Ж	37	88	g	8	2	Ĉ,	Γ	Γ
	Adjusted	:42,959	337,703	51,096	24,604	556,361	17,546	13,864	8,068	15,433	11,635	11,574	6,392	3,829	2,892	3,684	5,660	9296	9.753	2589	2,650	26	3,782	87	8,964	2,140	19,617	7,317	1,691	753	1,401	1,003	441	6,789	50,671	16,800	870	333	128	71	1,138	6.693	257,939	814,300
i ota	ts S	143,324	338,563	51,226	24,666	677,738	17,590	13,899	8,088	15,473	11,664	11,603	6,408	3,838	2,899	3,693	5,674	9,651	9,778	2,605	2,657	706	3,792	1,434	8,987	2,145	19,667	7,335	1,695	755	1,405	1,005	442	6,806	48,725	16,843	872	333	128	7	1,141	6,710	256,521	8.4.300
je je	expense	2,208	5,134	755	387	8,482	193	201	128	224	8	187	76	52	47	34	78	141	155	88	\$	0	88	Ñ	148	8	722	112	a	1.1	18	8	1	34	433	173	ø	2	1	0	O.	17	3,218	11,700
	Š	28,547	68,712	10,039	5,175	113,534	2,583	2,692	1,725	3,003	2,734	2,499	1,024	701	929	Š	1,046	1,892	2,076	513	532	135	749	88	1,981	437	3,044	1,506	88	143	235	103	•	449	6,593	2,321	101	8	•	4	123	232	43,066	156,600
	Valiable	2.8588	2.8588	2.8588	2.8588		2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877	2.85877		
503 CO	Cost	6,605	26,593	4,815	1,711	39.724	2,772	886	903	1901	713	1,356	989	73	5 88	836	1,125	22	883	Ş	418	127	52	241	88	317	4,156	1,039	367	139	342	253	8	3,294	5,480	1.711	317	152	83	ဗ္ဂ	238	3,690	40,278	80,002
Depreciation cost	Fixed	15.839	15.839	15,839	15.839		15,839	15,839	15,839	15.839	15.839	12.671	12.671	12.671	12.671	12.671	15.839	15,839	15.839	12.671	12.671	12.671	12.671	12.671	12.671	12.671	12.671	12.671	12.671	12671	12.671	12.671	12.671	12.671	15.839	15,839	12.671	12.67:	12.671	12.671	15.839	15.839		
<u></u>	Sost	104,964	238,125	35,557	17,394	396,040	12,043	10,008	5,331	10,344	8,013	7,562	3,674	2,312	1,960	2,168	3,426	6,398	6.454	1.623	833.	434	2,365	89	5,933	1,359	12,240	4,678	1,005	462	810	641	138	3,030	36,159	12,638	441	150	8	8	764	2,768	169,959	966,595
I COSI	ğ	13,932	47.725	10,443	4,302	76,402	7,436	4,135	172	2,217	2	•	1771	8	288	9	-	1.132	283	-	<u> </u>	•	- 	·	10 [•	3,923	42	5	-	5	495		591	31,625	11,135	•	•		-	620	1,122	65,369	141,771
Freight cost	ריי	24.942	21,942	21.942	21.942		21.942	21.942	21.942	21.942	21.942	24.942	21.942	24.5	21.942	21.922	2,942	27.942	27.942	24.25	21.942	21.942	24.942	24.922	24.942	21.942	21.942	21.942	21.942	21.942	21.942	21.942	21.942	24.942	21.942	21.942	21.942	24.942	21.942	21.942	21.942	21.942	ĺ	
r.	Peculia	12,123	10,069				1												:		1 1 1 1 1 1 1	-																					3	
Passenger Co.	Cost	66,214	146,038	689'61	10,633	242,574	2,566	4,548	4,198	6,315	6,793	6,210	2,452	1,732	1,447	1,589	2,598	4,115	5,013	1,276	1,321	336	1,862	669	4,918	1,086	5,531	3,720	744	326	- 283 283	1	ľ	& &	•	_	265	72		10	1	-	73,164	315,738 j
ď	š	7.1047	7.1947	7.1047	7.1047		7.1047	7.1047	7 1047	7.1047	7.1047	7.1047	71047	71047	7 1047	71047	7.1047	7,1047	7,1047	7.1047	7.1927	7.1047	7.1047	7,1047	7:027	7.1047	7.1047	7.1047	7.1047	7.1047	7.1047	7.1047	7.1047	7.1947	7.1927	7.1047	7 1047	7 1047	7,1047	7.1047	7.1047	7 1047		-
	Total Cost	12,695	34,292	5,425	2,459	54,871	2,041	1,325	961	1,812	1,218	1,352	1,045	858	305	695	827	1,151	1,159	347	727	76	503	192	1,004	273	2,786	916	256	106	222	146	138	1,630	4,534	1.503	175	78	04	18	144	1,645	31,427	86,298
e cost	SS	9,891	23,001	3,381	1.732		864	8	278	1,005	915	736	302	207	184	189	350	8	888	151	157	\$	ĸ	8	584	129	268	444	88	42	8	ន	•	132	2.207	711	સ	6	٠		5	78		_
File. Wallenance cost	Valiable	0.9570	0.9570	0.9570	0.9570		0.9570	0.9570	0.3570	0.9570	0.9570	0.8424	0.8424	0.8424	0.8424	0.8424	0.9570	0.9570	0.3570	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.8424	0.9570	0.9570	0.8424	0.8424	0.8424	0.8424	0.3570	0.9670		
inita.	ŠŠ	2,80,7	28,5	2, 4, 4,	726	ا ا	1,177	424	383	807	333	616	743	351	121	08 88	477	518	29	98	8	8	282	ş	420	144	1.889	472	167	ន	<u>3</u>	115	8	1.497	2,327	736	4	8	8	- 42	101	1 567		
	Fixed	6,725	6,725	6,725	6,725		6,725	6,725	6,725	6,725	6,725	5,759	5,759	5,759	5,759	5,759	6,725	6,725	6,725	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	5,759	6,725	6.725	5,759	5,759	5,759	5,759	6.725	6,725		-

(1000 LE)

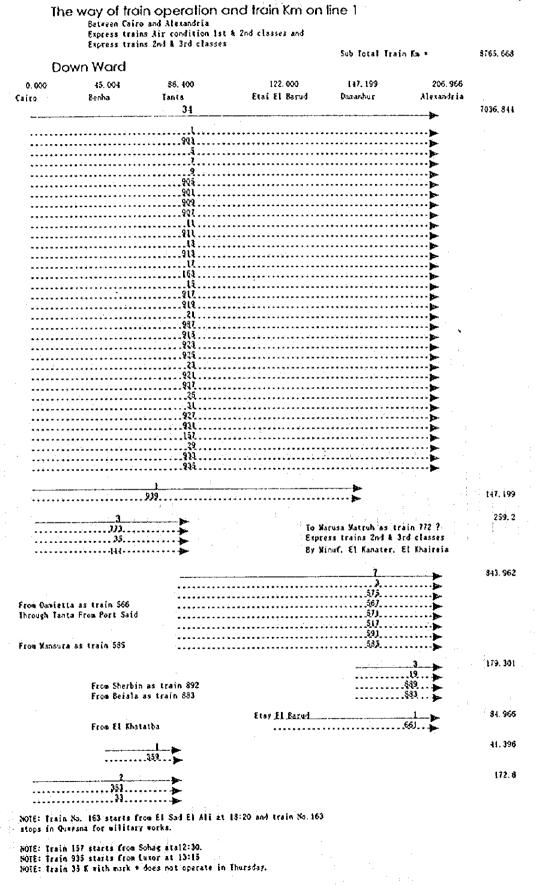
Appendix 3.9.6 (5) Estimation of Passenger Revenue (1994/95)

Section Sect	1814 181- may 201 (may be a manage)	18.50.00	ğ		ODDOWN CO	(2000)		2000		2000		23)		,	
Company Comp		Suburban	Estimate	(dav)	(Year)	Adj1	Adj2		(1000LE)			Reve.		Revenue	
Section Control Section	4 Caiss Alexandria	Main	40.538	39.855	14.547.075	14.547.075	10,247,155	0.007152	73,292	73,292	24,451	o	10,247,155	12,675	110,418
Times Alembour Main 1,000 1,00			004	50.557	21 275 120	21 275 120	15.056.928	0.005600	84.319	84.319	28,130	0	15,056,928	18,625	131,073
Section Control Cont	Zicairo - El Sad El Ali	CIE!AI	38.5	900	301,010,12	201,010,12 201,010,1	2 820 534	0.005600	15.851	15.85	5 288	0	2,830,534	3,501	24,640
Trans. National Nation Syrio Syr	S Benna - Port Salo	ividiri	200	3	2000000	30 070 400	28 134 616	0.006165	237 12.	173.462					
					25,000,000	20000	030 072 7	003300	0770	0.377	2.42g	c	1 740 868	2.153	14.658
Michaelan	4 Tanta - Mansoura	Main	5,780	5,790	2,080,500	2,000,00	000'04/'1	0.00000	2 (1)		3		270 944	275	27.0
State Control Contro	7 Nefisha - Suez	Branch	933	913	333,245	333,245	2/8/8/2	0.0000	700	700'	8		10077	} {	
Secretary Secr	8 Mansoura - Domietta	Branch	3,141	3,141	1,146,465	573,233	479,655	0.005600	2,686	25. 48. 44.	862	0	4/9,000	3	3
	9 Zacazio - Tanta	Branch	736	1236	451,140	451 140	377,493	0.005600	2,114	2,033	678	0	377,493	46/	9
Sing cabes - Co.C.C. Stourner Control in year of control of	4045	222	36	137,765	131 765	110,255	0.005600	617	594	198	0	110,255	85	928	
Safe state Actual Character Safe state Solution and the solution of t	<u>.</u>	}	200	000 000	000 910	1048,800	0003300	3.358	3 228	1 077	×	•	•	4,38	
Manual	11 Sidi Gaber - Abu Or	Suburban	•	8 1	080'010'	200000	200,000	000000	250	C 70	, A	C	1 094 303	1354	7,810
	12) Cairo - Qalyub - Tanta	Sub/Bra.	3,213	2	30/,/35	GS/ //S'	200,400	3000	1 6	i d	3,0	•	269 560	707	0,0
Head of the control	13 Ein Shams - Suez	Branch	2,348	2,348	857,020	428,510	358,558	0090000	2,008	יטטי.	*		000000	;	
	14 El Wasta - Abu Kesah	Branch	2,177	2,177	794,605	397,303	332,445	0.003300	1,097	8	352	o	327.450	-	0.0
	15 El Maro - Shebin El Kanater	Suburban	193	193	70,445	54.07	58,945	0.003300	186	187	8	×	1		R :
	16 El Mamoirs - Rashid	Branch	98	600	76 285	76.285	63,832	0.003300	27	88	8	0	83,832	6	3
Company Comp		40000	733	7 733	520 045	76. 573	218 830	0.004600	1 007	896	333	×	•	•	ই
States S	17 Wansoura - Wataria	200	3 3	3 6	20000	20,034	767 806	0097000	2152	2070	Ş	×	•	•	2.761
1,0 2,0	18 Cairo - Calyub - Zagazig	Sub/Bra.	2	3	600	30-780	200,000	00000	1 6 6		862	: (402 300	0,40	3.522
Above Methy: E Salheia Branch 3-45 15.25.25 175.25	19 Zagazig - Mansoura	Branch	3,231	3,231	1,179,315	200	PB0,084	300	2,272	3 6	3 (> >		;	977
Section Sect	20 Abu Kebir - El Salheia	Branch	8	88	125,925	125,925	105,368	0.003300	88	45	21.	Κ:	•	,	* ;
Secretary Secr		Branch	\$	£	33,68:	139,655	167,062	0.003300	551	88	111	×	•	•	€ 1
Sample S	8	Branch		18	6,570	6,570	6,570	0.003300	ឧ	22	^	×	•	1.	ĸ
24 El Santa - Marhalet Rouh Granch 256 265 367.75 96,725 90,505 0,003300 287	8	Branch	88	88	132,495	132,495	110,866	0.003300	386	352	117	×	•	•	8
Branch 2761 2.761 1,007,76S 500,883 421,626 0.004600 1,939 1,865 622 0 421,626 522 0 421,626 522 0 421,626 522 0 421,626 522 0 421,627 0 436		S CO	*	8	96 725	96.725	80,935	0.003300	267	257	8	×	•		8
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struth Branch 1,835 1,835 669,775 669,437 0,005600 3,138 3,019 1,007 0 560,437 690,437 0,005600 3,138 3,019 1,007 0 560,437 690,437 0,005600 3,138 3,019 1,007 0 560,437 690,437 0,005600 3,216 3,019 1,007 0 574,181 710 Nums Branch 1,92 70,000 7,000 7,000 24,820 2,4820	26 Books - Manif	400	- FGA	491	179 215	179.215	149.959	0.003300	495	476	159	×	•	•	ß
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1 Carro - Alexandria	Revenue 12,528 53,645 9,391 3,868 7,943 3,098 3,098 1,567 1,	Revenue 110,418 131,073 24,640 25,000 3,00	Revenue 122,945 194,718 34,031 7,920 7,920 7,920 7,920 7,920 7,920 7,920 7,920 7,920 7,920 4,907 7,810	25,910 9,940 9,941 105,214 105,214 1,258 2,281 2,281 1,258 1,258 1,103 1,103 1,103 1,103	Silvep. 4.100	Revenue 159,857 43,977 43,977 42,977 42,938 9,222 9,223 10,032 4,158 4,663 4,663	142,959 337,703 337,703 51,096 5,604 17,546 11,646	0.53 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65
Cairco - Alexandra 417 634,960 Cairco - El Sad El Ali 1,679 2,718,802 Benha - Ismalia - Port Said 304 475,951 Tarta - El Mansoura 108 196,061 Merish - Line 175 282,412 Nefish Line 175 282,412 Inferior - Suez 63 157,028 Zagazgo - Tanta 57 7,341 Imbaba - Itay El Baroud 120 84,186 Aex Sidi Gaber - Abu Qir 45 141 Cairo - Calyub - Tanta 120 84,186 El Mansoura - Rashid 66 583 El Mansoura - Marana 77 42,981 Cairo - Calyub - Tanta 65 12,80 El Mansoura - Marana 77 42,981 Abu Kesahid 65 583 El Mansoura - Marana 10 - Abu Kesahid 10 - Benha - Zerta 10 - Benha - Zerta 49 - El Santa Maruh 25 2	12,528 53,645 9,391 1,867 1,56	110,418 131,073 14,658 280,780 2,348 4,039 4,304 7,810 3,019 1,291	122,946 1847,18 34,031 7,137 7,137 7,137 7,137 1,370 1,843 1	25,910 9,940 105,214 105,214 756 2,281 940 940 940 940 118 118 1103 1103 777 205 2,77	4			0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
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Alex Sidi Gaber - Abu Qir 45 141 Calto - Calyub - Tanta 107 141 Calto - Calyub - Tanta 107 1246 Ein Shams - Suez 129 10,085 Ei Wasta - Abu Kesah 61 1,246 Ei Wasta - Abu Kesah 65 583 Ei Marcoura - Matana 77 42,981 Cairo - Calyub - Zagazig 77 42,981 Calario - Calyub - Zagazig 77 42,981 Calario - Calyub - Zagazig 77 42,981 Abu Kebir - Ei Salhera 33 - Benha - Zefta 10 - Abu Kebir - Ei Samaina 10 - Mahalet Rouh 73 586 Benha - Menuf 25 178,800 Benha - Menuf 25 2,385 Benha - Qalabari - Maranhur 29 2,385 Bouseli - Ei Qassabi 27 306		928 4304 7,819 1,818 250 349 349 1,291 2,761 2,761 3,522 3,522 3,522 3,522 4,46 707	2,589 7,307 7,310 3,218 1,843 1,843 1,843 1,291 1,291 3,609 3,609 3,776 446	758 2,281 2,281 340 340 340 340 340 340 340 340 340 340		3,346 5,565 10,092 1,158 2,381 524 465 1,668 4,663 4,663 4,663		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Alex - Sidi Gaber - Abu Qir 45 141 Cairo - Calyub - Tanta 107 . Ein Shams - Suez 129 10,085 Ein Shams - Suez 61 1,246 Ei Wasta - Abu Kesah 61 1,246 Ei Marg - Shebin Ei Kanater 21 7,306 Ei Margoura - Matana 71 42,981 Cairo - Calyub - Zagazig 77 42,981 Cairo - Calyub - Zagazig 77 42,981 Abu Kebir - Ei Salheia 34 - Benha - Zefta 10 - Benha - Zefta 49 - Ei Santa Mahalet Rouh 73 586 Benha - Menuf 25 - Abis - Qalobari - Marsa Matuh 328 178,800 Sherbin - Galein 82 2,385 Benha - Menuf 25 2,385 Benha - Menuf 25 2,385 Benba - Qalobari - Marsa Matuh 29 306 Ei Fayum - Sinnuris 27 306 Ei Abbassia - Tura 27		4,304 7,810 1,818 1,818 250 349 1,291 2,761 2,761 3,522 3,522 3,522 3,522 3,522 3,522	7,307 3,218 1,843 1,843 1,843 1,291 3,609 3,609 3,776 446	2,281 2,281 2,281 3,40 118 118 1105 1105 1105 1100 1100 1100		5,565 10,092 4,158 2,381 524 465 1,668 4,663 4,663 4,663		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ein Shams - Suez 10065 Ein Shams - Suez 129 10,065 Ei Wasta - Abu Kesah 61 1,246 Ei Wasta - Abu Kesah 21 7,306 Ei Marg - Shebin Ei Kanater 71 42,381 Ei Mansoura - Matana 77 42,381 Caico - Calyub - Zagazig 66 12,880 Abu Kebir - Ei Salheia 34 - Benha - Zefta 10 - Benha - Zefta 49 - Ei Santa Mahalet Rouh 19 - Menuf - Keft Ei Zaiyat 49 - Ei Santa Mahalet Rouh 19 - Abis - Calobari - Marsa Matuh 328 178,800 Sherba - Menuf 25 2,385 Benha - Menuf 25 2,385 Benha - Menuf 25 306 Ei Abassabi 27 306 Ei Fayun - Sinnutis 27 306 Ei Abbassia - Tura 20 18,311 Ei Abbassia - Tura 20 18,311		7,810 3,019 1,818 3,619 3,49 1,291 2,761 2,761 2,522 4,46 7,07	3.218 1.843 1.843 3.609 3.609 3.776 4.466 4.466	2,281 940 940 118 118 1,054 1,103 1,103 1,103		10,092 4,158 2,381 524 465 1,668 4,663 4,663		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ein Shams - Suez 129 10,085 Ei Wasta - Abu Kesah 61 1,246 Ei Marg - Shebin Ei Kanater 21 7,306 Ei Mamsoura - Rashid 66 583 Ei Mansoura - Marana 71 42,981 Cairo - Calyub - Zaqazig 69 12,880 Abu Kebir - Ei Salheia 34 - Benha - Zefta 30 - Faqus - Ei Samaina 10 - Menuf - Kafr Ei Zaiyar 49 - Ei Santa Mahalet Rouh 73 586 Benha - Menuf 25 178,800 Sherbin - Qalein 328 178,800 Sherbin - Qalein 25 2,386 Benha - Menuf 25 2,386 Benha - Manulist 29 306 Ei Rayun - Sinnuris 27 306 Ei Abbassia - Tura 20 18,311 Ei Abbassia - Tura 20 18,311		3,019 1,818 250 250 3,49 1,291 2,761 3,522 4,46 7,07	3.776 3.776 446 3.776 446 707	940 538 118 105 177 105 1103 120 120 120 130		2,381 524 524 465 1,668 4,663 4,663		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
El Wasta - Abu Kesah 61 1,246 El Marg - Shebin El Kanater 21 7,906 El Mansoura - Rashid 65 583 El Mansoura - Rashid 71 42,981 Cairo - Calyub - Zagazig 69 12,880 Abu Kebir El Saheia 34 - Benha - Zelta 33 - Benha - Zelta 49 - El Santa Mahalet Rouh 73 586 Benha - Zelta 49 - El Santa Mahalet Rouh 73 586 Benha - Menuf 73 586 Benha - Manalet Rouh 73 586 Benha - Manalet Rouh 73 586 Benha - Manul 25 178,800 Sherba - Galein 25 2,336 Benha - Manul 22 306 Benha - Matuh 27 306 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811		1,818 250 250 349 1,291 2,761 2,522 446 707	367 3,609 3,776 446 446	538 118 105 377 1,054 1,103 201		2,381 524 465 1,668 4,663 4,878		0.00 0.18 0.18 0.28
El Marg - Shebin El Kanater 21 7,906 El Mamoura - Rashid 66 583 El Mansoura - Mataria 71 42,981 Calro - Qalyub - Zagazig 69 12,880 Abu Kebir - El Salheia 34 - Benha - Zeltza 49 - Faqus - El Samaina 10 - Menyl - Kafr El Zayar 49 - El Santa Mahalet Rouh 73 586 Benha - Manul 73 586 Benha - Marul 25 178,800 Abis - Qalbari - Marsa Matruh 328 178,800 Sherbin - Manul 25 2,386 Benha - Manul 25 2,386 Benha - Manul 25 306 El Fayun - Sinduris 27 306 El Fayun - Sinduris 27 306 El Fayun - El Manharat 20 18,811		250 348 1,291 2,761 3,522 446 707	361 1,231 3,609 3,776 446 707	118 778 1,054 1,103 1,103		524 465 1,668 4,663		81.0 81.0 82.0 84.0
El Mamoura - Rashid 66 583 El Mansoura - Mataria 71 42,981 Cairo - Calvub - Zagazig 77 42,981 Zagazig - El Mansoura 69 12,880 Abu Kebir - El Salheia 34 - Benha - Zalava 49 - Faqus - El Samains 10 - Mend - Kafr El Zaiyar 49 - El Santa Mahalet Rouh 73 586 Benha - Manul 73 586 Benha - Marva 25 - Abis - Qabbari - Marsa Matruh 328 178,800 Sherbin - Qassabi 25 2,386 Bousell - El Qassabi 29 306 El Fayum - Sinnuris 27 306 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811	8	349 1,291 2,761 3,522 446 707	3,609 3,609 3,776 3,76 707	105 377 1,054 1,103 130		465 1,668 4,663 4,878		0.13 0.29 0.48
Ei Mansoura - Matana 71 42,981 Zagazig - Ei Mansoura 69 12,880 Abu Kebir - Ei Salhera 34 - Renha - Zefta 33 - Renha - Zefta 49 - Renha - Zefta 49 - Menuf - Kafr Ei Zaryar 49 - Ei Santa Mahalet Rouh 73 586 Benha - Menuf 25 - Abis - Qabbari - Marsa Matuh 328 178,800 Sherbin - Qelein 82 2,385 Bousell - Ei Qassabi 29 306 Ei Fayum - Sinnuris 27 306 Ei Fayum - Sinnuris 27 306 Ei Abbassia - Tura 20 18,811 Ei Abbassia - Tura 20 18,811	(A) (C)	1,291 2,761 3,522 446 707	1,291 3,609 3,776 446 707	377 1,054 1,103 1,30 1,30		1,668 4,663 4,878		\$ \$ \$
Cairo - Qalyub - Zagazig 77 42,981 Zagazig - El Mansoura 69 12,880 Abu Kebir - El Salheia 34 - Benha - Zefta 33 - Faqus - El Samaina 10 - Menuf - Kafr El Zaiyar 49 - El Santa Mahalet Rouh 73 586 Mahalet Rouh 73 586 Benha - Menuf 25 - Benha - Menuf 25 - Benha - Menuf 328 178,800 Sherbir - Glelein 82 2,385 Bouseli - El Zaixab 306 El Fayum - Sinnuris 27 306 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811		2,761 3,522 446 707	3,609 3,776 446 707	1,054 1,103 130		4,663		0.48
Zagazig - El Mansoura 69 12,880 Abu Kebir - El Salheia 34 - Benha - Zefta 33 - Faque - El Samaina 10 - Menuf - Kafr El Zaiyar 49 - El Santa Mahalet Rouh 73 586 Benha - Mahalet Rouh 73 586 Benha - Menuf 73 586 Benha - Menuf 25 - Abis - Qabari - Marah 328 178,800 Sherbin - Qelein 82 2,385 Bouseli - El Zaissabi 29 306 El Fayum - Sinnuris 27 306 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811		3,522 446 707	3,776 446 707	1,103		4,878		
Abu Kebir - El Salheia 34 - Benha - Zefta 33 - Faqus - El Samaina 10 - Menuf - Kaff El Zalyat 49 - El Santa Mahalet Rouh 19 - Benha - Menuf 73 586 Benha - Menuf 25 - Abis - Qalobari - Marsa Matuh 328 178,800 Abis - Qalobari - Marsa Matuh 82 2,385 Bouseli - El Qassabi 29 306 El Fayum - Clelein 29 306 Desug - Motobus 27 306 El Abbassia - Tura 20 18,311 El Abbassia - Tura 20 18,311		707	707	130				5
Benha - Zefta 33 - Faqus - El Samaina 10 - Menuf - Kafr El Zalyat 49 - El Santa Mahalet Rouh 19 - Renha - Menuf 73 586 Benha - Menuf 25 - Abis - Qalobari - Marsa Matruh 328 178,800 Sherbin - Qelein 82 2,385 Bouseli - El Qassabi 29 306 El Fayum - Sinnuris 11 - Desug - Motobus 27 306 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811		707	707	202	! 	275		388
Faqus - El Samaina 10 Menuf - Matr El Zalyat 49 El Santa Mahalet Rouh 19 Rahalet Rouh 73 586 Benha - Menuf 25 - Abis - Qalobari - Marsa Matruh 328 178,800 Sherbin - Qelein 82 2,385 Bouseli - El Qassabi 29 306 El Fayum - Sinnuris 11 - Desug - Motobus 27 306 El Abbassia - Tura 20 18,811 El Geish - El Manharat 20 18,811	• •					4.0		77.0
Menuf - Kafr Ei Zaiyat 49 - Ei Santa Mahalet Rouh 19 - Mahalet Rouh - Damanhur 73 586 Benha - Menuf 25 - Abis - Qaibbari - Marsa Matruh 328 1778 800 Sherbin - Qelein 82 2,385 Bouseli - Ei Qassabi 29 306 Ei Fayum - Sinnutis 11 - Desug - Motobus 27 306 Ei Abbassia - Tura 20 18,811 Ei Geisch - Fil Manharat 20 18,811		8	28	8		92		300
El Santa Mahalet Rouh 19 - Mahalet Rouh - Damanhur 73 586 Benha - Menuf 25 - Abis - Qabbari - Marsa Matruh 328 178,800 Sherbin - Qelein 82 2,385 Bousell - El Qassabi 29 306 El Sayun - Sinnitis 11 - Desug - Motobus 27 306 El Abbassia - Tura 20 18,811 El Abbassia - Tura 20 18,811		469	687	137		909		300
Mahalet Rouh - Damanhur 73 586 Benha - Menuf 25 - Abis - Qabbari - Marsa Matruh 328 178,800 Sherbin - Qelein 82 2,385 Bousell - El Qassabi 29 306 Desug - Motobus 27 306 El Abbassia - Tura 20 18,811 El Geish - El Manharat 20 18,811	1	383	283	8		443	1 430	200
Benha - Mehuf 28 - 78,800 Abis - Qabbari - Marsa Matruh 328 178,800 Sherbin - Qelein 82 2,385 Bousell - El Qassabi 29 306 El Fayum - Sinnuris 11 - Desug - Motobus 27 306 El Abbassia - Tura 20 18,811 El Geish - El Manharat 24 18,811	121	3008	3.021	882		3 903	230 8	
Abis - Qabbari - Marsa Matruh 328 178,800 Sherbin - Qelein 82 2,385 Bousell - El Qassabi 29 306 El Fayum - Sinnuris 11 - Desug - Motobus 27 306 El Abbassia - Tura 20 18,811 El Geish - El Manharat 24 18,811		383	383	185		820	2140	8
Sherbin - Qelein 82 2 Bouseli - El Cassabi 29 11 El Fayum - Sinnuris 11 27 Desug - Motobus 27 18 El Abbassia - Tura 20 18 El Gesh - Fl Manharat 24 18	3,528	4,719	8,247	2,409		10.656		250
Bouseli - El Cassabi 29 El Fayum - Sinnuris 11 Desuq - Motobus 27 El Abbassia - Tura 20 18 El Gesh - El Manharat 24	47	4,835	4,882	1 426		6308		98.0
El Fayum - Sinnuris 11 Desuq - Motobus 27 El Abbassia - Tura 20 18 El Geish - El Manharat 24	9	321	327	88		422	100	3,000
Desug - Motobus 27 18 El Abbassia - Tura 20 18 El Geish - El Macharat 24 24 25 25 26 27 27 27 27 27 27 27		31	હ	6		4	753	900
El Abbassia - Tura El Geish - El Macharat	9	591	111	32		4.	9	0.10
E. Geish - F. Macharat	37.1	•	371	108		480	1,003	0.48
10101.001.001.001.001.001.001.001.001.0		-	-	•		•	461	•
Samala - El Saloum 23,669		22	989	200		988	682'9	0.13
Tebbin - Baharia 346 480,440	"	4	50,671			50,671	50,671	8
El ithad - Qabbari 108 338,310	6,675	1	6,675	1,950		8,625	16,800	0.51
Beni Suer - El Lahun	•	8	98	19		85	870	0.10
ammad	•	15	15	S		20	333	0.06
El Gabal El Asfar	•	-		•		•	128	-
Kair Saad - Kair Silman	:	2	2	O			17	80
Kair Batelith - Domietta Port	465	•	465	136		009	1,138	0.53
233 42,630			841	246		1 087	6693	0.16
Suburban 2,834 1,727,082		51,369	126,638	22,188		148,826	257,939	980
5,342 5,752,856	:	332,159	486,860	127.402		618,362	814,300	0.76
Actual Revenue	25,780			127,400				

Appendix 3.10 -1 Train No. and Direction on Trunk lines Cairo - Alexandria Line



Appendix 3.10 -2 Train No. and Direction on Trunk lines Cairo - Benha - Zagazig - Ismailia - Port Said Line

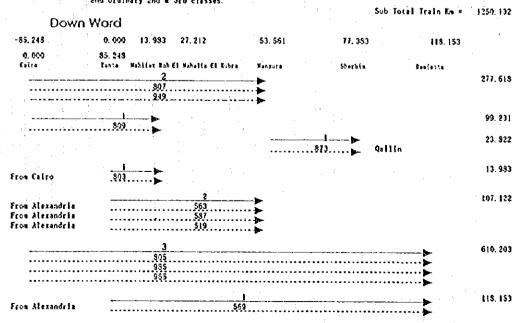
The way of train operation and train Km on line 2
Between Cairo, Benha and Port Said
Express trains Air condition tot & 2nd classes
and ordinary 2nd & 3rd classes

				Sub To	tal Train Kn	, =	2,918.0
Dov	vn Ward						
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Cairo	Benha		Zagazig	Ismai	lia	Port Said	
	<u> </u>						795.0
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	917 953						
				_			

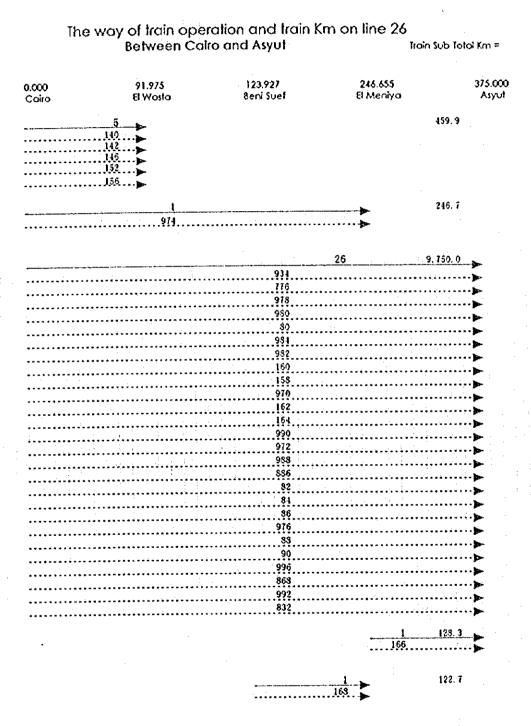
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ros Alex-		· · · · · · · · · · · · · · · · · · ·		523		->	

Appendix 3.10 -3 Train No. and Direction on Trunk lines Cairo - Tanta - Mansura - Domietta Line

The way of troin operation and troin Km on line 5
Among Cairo, Tenta, Mansura and Danletta
Express trains Air condition list & 2nd classes
and ordinary 2nd & 3rd classes



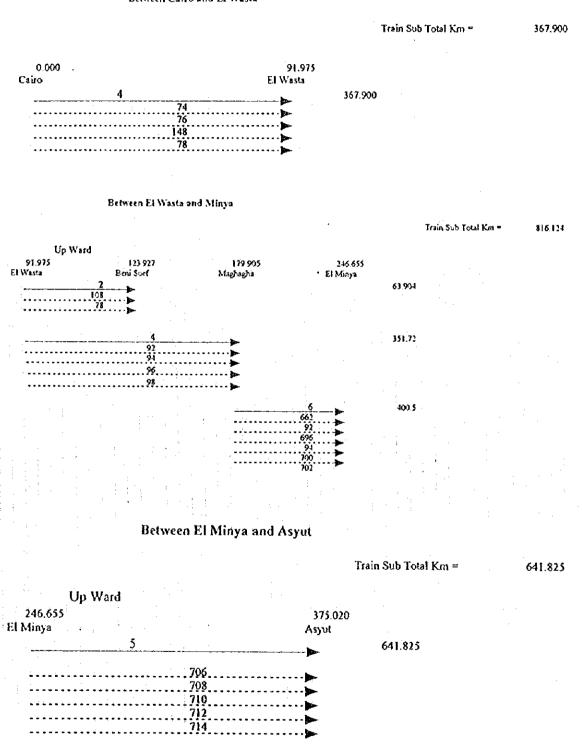
Appendix 3.10 -4 Train No. and Direction on Trunk lines Cairo - Asyut - Luxor - Aswan Line



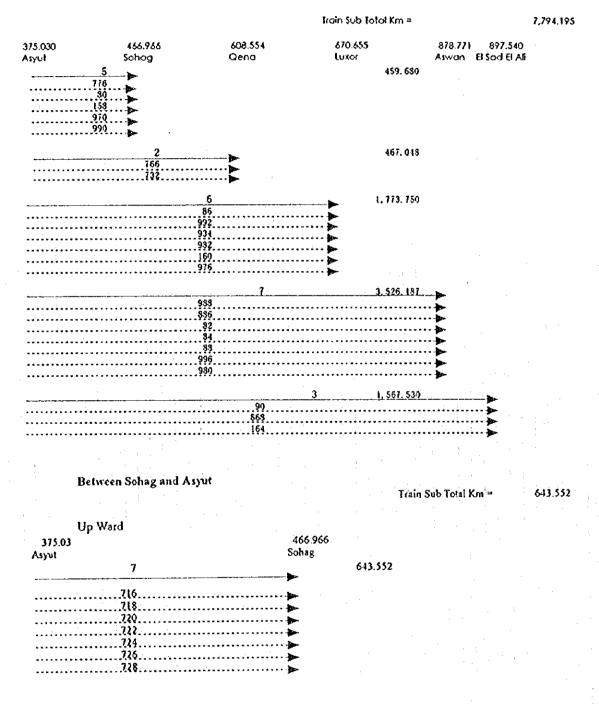
10,707.6

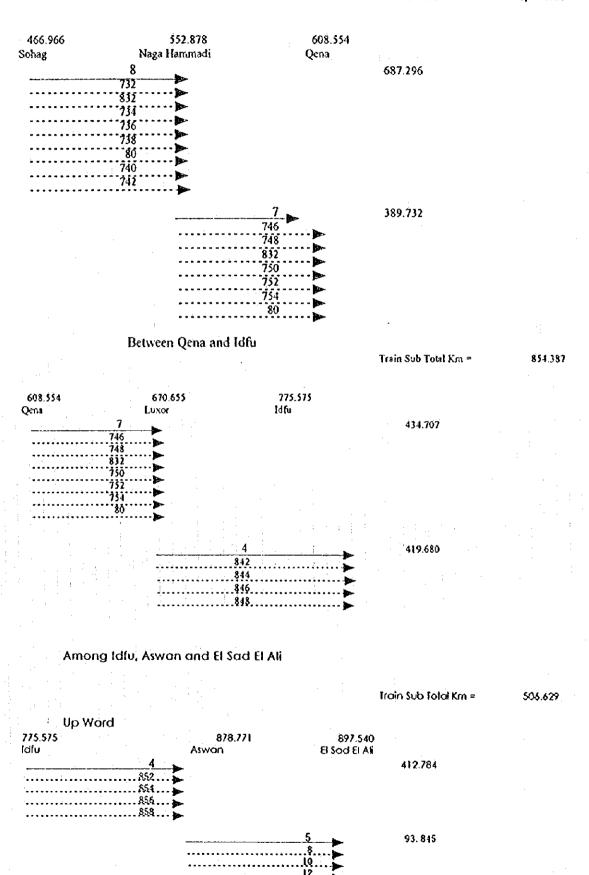
The way of train operation and train Km on line 26

Between Cairo and El Wasta



The way of train operation and train Km on line 26 Between Asyut-Aswan-El Sad El Ali





A-92

Table 3.11.1 Particulars of Locomotive and Train Unit

Diesel Locomotive

Туре	Series No.	Manufa- cturer	НЪ	Wheel Arran- gement	Max. Speed (km/h)	Weight	Service PC, FC, S	Gear Ratio
AA22T	3001/3200	: H :	2,475	Co-Co	120	111.00	77P, 120F	60/17
AA22T	3201/3221	Н	2,475	Co-Co	140	111,00	20P	58/19
JT22MC	3222/3240	C,A	2,475	Co-Co	140	111,00	19P	60/17
AA22T	3241/3270	Н	2,475	Co-Co	120	111,00	29F	60/17
AA22T	3271/3299	Н	2,475	Co-Co	105	128,50	29F	62/15
JT22MC	3445/3470	C, A	2,475	Co-Co	140	111.00	26P	60/17
G22W/AC	3601/3661	С	1,650	Во-Во	120	78.00	61P	60/17
G22W	3801/3832	Α	1,650	Во-Во	105	80.00	31P	60/17
G22W/AC	3833/3999	C	1,650	Во-Во	105	78.00	164P	60/17
G22W	3301/3411	Α	2,000	Bo-Bo	120	106,00	518	60/17
G22W	3412/3444	A	2,200	Во-Во	120	106.00	318	60/17
G22W	3501/3548	A	1,000	Во-Во	120	73.25	25S	60/17
G22W	3701/3797	:A	1,400	Во-Во	120	77.00	61S	60/17
	3551/3580	Hu	1,000	Bo-Bo	100	74.00	29S	60/17
	4501/4526	G	600	D	60	60.00	24S	Hydraulic
	4301/4393	Hu	400	С	60	45.00	¹ 38S	Hydraulic

All 1,000 mm [Remarks] Wheel diameter: (1) \mathbf{H} : Henschel (2) **A**: American \mathbf{C} : Canadian Hu: Hungarian German G:S:Shunting (3) PC **P**: FC

Gas Turbine Train Unit

Туре	Series Number	Manufa- cturer	kW	Train Seating Capacity (psn)	Max. Speed (km/h)	Train Weight (t)	Year of First built	Remarks
Turbo Train	6601/6603	ANF	2x1200kW	600	140	451.40	1983	-
	A/W 6604				:	<u></u>		
	D/H 6604	: .						
	B/K 6604							
	C/T 6004							

Table 3.11.2 Current Conditions of Locomotive and Train Unit

Diesel Locomotive

	Series	Manu-		Age	No. on	Waiting	No. of	Locos	Avai-	
Туре	No.	fac- turer	HP	31-12- 1995	Book 1-1- 1995	Repair	Daily Ope- ration	Re- served	łabi- lity	Remarks
AA22T	3001/3200	Н	2,475	2-18	197	19	: 149	29	76	:
AA22T	3201/3221	Н	2,475	11-12	20	2	14	- 4	70	
JT22MC	3222/3240	C, A	2,475	10-11	- 19	1	12	6	63	
AA22T	3241/3270	Н	2,475	18-19	29	3	17	9	59	
AA22T	3271/3299	Н	2,475	16	29	0	23	6	79	Baharia, Safaga
ЈТ22МС	3445/3470	C, A	2,475	10-11	26	1	15	10	58	
G22W/AC	3601/3661	C	1,650	12-13	61	2	46	13	75	
G22W	3801/3832	A	1,650	17	31	1	25	5	81	
G22W/AC	3833/3999	С	1,650	13-15	164	6	126	32	77	_
G22W	3301/3411	À	2,000	Over 25	51	12	30.	9	59	Shunting
G22W	3412/3444	A	2,200	19-22	31	2	19	10	61	Shunting
G22W	3501/3548	Λ	1,000	Over 30	25	4	18	3	72	Shunting
G22W	3701/3797	A	1,400	Over 30	61	11	38	12	62	Shunting
	3551/3580	Hu	1,000	22	29	5	9	15	31	Shunting
1	4501/4526	G	600	20	24	16	5	3	21	Shunting
	4301/4393	Hù	400	Over 30	38	10	15	13	39	Shunting

A: American C: Canadian G: German H: Henschel Hu: Hungarian

Gas Turbine Train Unit

Турс	Series No.	Manu- fac- turer	HP	Age 31-12- 1995	No. on Book 1-1- 1995	Waiting Repair	No. of Daily Ope- ration	Locos Re- served	Ayai- labi- lity	Remarks
Turbo Train	6601/6603	ANF	2x1200	12	3 Trains		. 3	0	100	10 Car Train
**************************************	A/W 6604			12	. 2	1		1		Power car with PC
	D/H 6604			12	2			2		Ist class PC
	B/K 6604			12	2			2		2nd class PC
	C/L 6001			12	2			2		Buffet car

Table 3.11.3 Number of Locomotives by First Service Year (1)

	<u> </u>	*****	247	5 HP Locomo	otives		to Pater Microsoft Public	1	650 HP Lc	comotives	· .
	AA22T	AA22T	JT22MC	AA22T	AA22T	JT22MC		G22W /AC	G22W	G22W /AC	
	3001- 3200	3201- 3221	3222-3240	3241-3270	3271-3299	3445-3470	Total	3601- 3661	3801- 3832	3833- 3999	Total
	Н	Н	.C/A	П	Н	C/A		С	Λ	С	
No. on Book											
1-1-1995	197	20	19	29	29	26	320	61	31	164	256
1st Service					. 				·		
1974											
1975											
1976				22			22			:	
1977	20			7			27		·		
1978	13						13		31		31
1979					29		29		,		
1980	25						25			63	63
1981	21						21			20	20
1982	45					!	45	2		81	83
1983	4	12			:	1	16	59	P		59
1984		8	19			15	42				
1985	21					11	32				
1986											! .
1987			i								·
1988	15		/ 1 - 12				15				:
1989			····						:		
1990	6		·		·		6				
1991											
1992	11						11				
1993	13						13				
1994	3						3				
Aug 12,1995											
Break Down Operation							19 301		·		

Table 3.11.3 Number of Locomotives by First Service Year (2)

manner of a silver des Prince (3 Marie) and the des Parameter of Parameter des		Old Ame	rican (1400-	2200HP)	***************************************		Shunting (4	00-1000HP)	
	G22W	G22W	G22W	G22W					
	3301-3411	3112-3141	3501-3548	3701-3797]	3551-3580	4501-4526	4301-4393	
	Old A	Old A	Old A	Old A	Total	Hung.	Geim.	Mafag Hung	Total
No. on Book		ai	0.5	<i>(</i> 1	1.00			2.2	<u> </u>
1-1-1995	51	31	25	61	168	29	24	38	91
1st Service Year Before 1970			25		122				
	51		25.	61	137		-	38	38
1971		ļ	· · ·			~~~~~			
1972									÷
1973		17			17	29			29
1974		i					1		1
1975							23	:	23
1976		14			14				
Aug.12,1995									
Break Down	22	8:	6	22	58	18	21	29	68
Operation	29	23	19	39	110	11	3	9	23
Remarks								1974/80 Renew	
						1998 Scrap	2000 Ѕстар	Scrap	

Appendix 3.11

Table 3.11.4 Transition Number on Book (Diesel Loco., Train Unit)

						Numb	er on Bo	ok as o	Jan.1			
Туре	Manufacturer	Series Number	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AA22T	Henschel	3001-3200	152	151	151	166	164	170	170	181	194	197
AA22T	Henschel	3201-3221	21	21	21	21	20	20	20	20	20	20
JT22MC	Canadian American	3222-3240	19	19	19	19	19	19	19	19	19	19.
AA22T	Henschel	3241-3270	29	29	29	29	29	29	29	29	29	29
AA22T	Henschel	3271-3299	29	29	29	29	29	29	29	29	29	29
JT22MC	Canadian American	3445-3470	26	26	26	26	26	26	26	26	26	26
G22W/AC	Canadian	3601-3661	61	61	61	61	61	61	61	61	61	61
G22W	American	3801-3832	32	31	31	31	31	31	31	31	31	31
G22W/AC	Canadian	3833-3999	166	166	166	166	165	165	165	165	165	164
	Sub-Total		535	533	533	548	544	550	550	561	574	576
G22W	American	3301-3411	97	94	94	94	93	72	54	51	51	51
		3412-3444	32	32	32	32	32	32	31	31	31	31
		3501-3548	44	44	44	44	44	31	26	25	25	25
		3701-3797	19	79	79	. 79	73	65	62	62	62	61
	Sub-Total		249	249	249	249	242	200	173	169	169	168
. :	Total		784	782	782	797	786	750	723	730	743	744
Hungary		3551-3580	29	29	29	29	29	29	29	29	29	29
German							24	24	24	24		
Magav Hung	gary	89	89	88	88	88	59	44	44	44	38	
	Sub-Total	143	143	142	142	141	112	97	97	97	91	
	Grand Tota	1	927	925	924	939	927	862	820	827	840	835

				<u> </u>								
Turbo Train Unit		6601-6603	3	3	3	3	3	3	3	3	3	, 3
Power Car with PC	ANF	A/W 6604	2	2	2	2	2	2	2	2	2	2
1st PC		D.H 6604	2	2	2	2	2	2	2	2	2	2
2nd PC		B/K 6604	2	2	2	2	2	2	2	2	2	2
Buffet		C/T 6604	2	2	2	2	2	2	2	2	2	2

Table 3.11.5 Particulars and Current Conditions of Passenger car

		. '	Age	No. on	Tare	Seating	Ayaila-	
Туре	Manufacturer	Series No.	31-12-	Book	Weight		bility	Remarks
			1995	1-1-1995	(1)	Capacity	%	
WL	Hungarian	11001/11050	31-35	43	49.20	Bed 22	0.00	No work
	German MBB	11051/11110	11-15	60	36,10	Bcd 24	100.00	
	Spain	11111/11141	1	31	41.25	Bed 20	100,00	
CB	Spain .	11340/11348	1	7	38.60	Seat 24	100.00	
:	German	11328/11339	11-15	12	42.85	Scat 20	100.00	
1st	Hungarian	11301/11327	26-35	22	49.00	40	0.00	Modified to 2nd class, etc
	German	11401/11422	16-20	21	43.00	47	85.70	
	France	11423/11464	6-15	41	39.80	47	100.00	
	Spain	11350/11392	1-2	43	44.00	45	100.00	
	SEMAF	11465/11484	1-2	20	44.35	- 47	80.00	
	SEMAF(Spain)	11485/11494	1	10	44.00	45	80.00	
2nd	German	11601/11677	16-20	65	44.80	64	92.30	
	France	11678/11747	6-15	68	39.60	64	92.70	
	Spain	11201/11250	3-4	50	42.90	60	99.00	:
	SEMAF	11748/11974	1-10	227		60	93.07	
Buffet	German	11501/11511	16-20	11	44.80	36	0.00	
	France	11512/11539	6-5	28	41.70	36	92.70	
	SEMAF	11540/11566	3-4	27		36	93.07	
	Total AC Car			786				

					<u> </u>		
German	14154/14217	11-15	72	47.40	HP 650	100.00	
SEMAF	17001/17042	1-10	41		HP 644	100.00	(56) Abdel Salam Co.
SEMAF	10611/10889	1-30	596	42.00	105/64	86.30	10612-10857/10860-10889
	13205/15520	· · · · · · · · · · · · · · · · · · ·	[80	:	
Rumania	112901/112965	11-20	83	42.00	88	84.00	
	112047/112423			· .			· ·
(Suburban)	114000/114075	11-15	141	42.00	108	86.30	
	112801/112875						
German	10521/10605	21-25	15	38.00	88	0.00	No work
SEMAF	12231/13347	6-25	419	42.00	80	79.80	
Rumania	112001/112430	11-20	276	42.00	. 107	83,30	
Rumania 🗀	112601/112769	11-15	432	42.00	108	83,70	
	113002/113285		·	*			
German	12511/12621	21-25	21	36,00	108	0.00	No work
(Suburban)	1601/7695	11-15	199	42.00	78	94.50	Push-Pull Train 6 coaches
	7802/7925					1 1	Cairo, Tanta and Alexandria
(with Driver's Cab)	7501/7560	11-15	45	42.00	72		+
Luggage	14032/14050	11-20	211	41.00		50.70	
	14430/14645				:		
Refrigerator	19927/19931	10-40	16				Connected to passenger
	19933/19910				4		train
	19942/19945	Ì		. 1	:	1	
	19985						
Total			2 5 (2		Ī		
	SEMAF SEMAF Rumania (Suburban) German SEMAF Rumania Rumania (Suburban) (with Driver's Cab) Luggage Refrigerator	SEMAF 17001/17042 SEMAF 10611/10889 13205/15520 Rumania 112901/112965 112047/112423 (Suburban) 114000/114075 112801/112875 German 10521/10605 SEMAF 12231/13347 Rumania 112001/112430 Rumania 112601/112769 113002/113285 German 12511/12621 (Suburban) 1601/7695 7802/7925 (with Driver's Cab) 7501/7560 Luggage 14032/14050 14430/14645 19927/19931 19933/19940 19942/19945 19985	SEMAF 17001/17042 1-10 SEMAF 10611/10889 1-30 13205/15520 11-20 Rumania 112901/112965 11-20 112047/112423 11-20 (Suburban) 114000/114075 11-15 112801/112875 112801/112875 German 10521/10605 21-25 SEMAF 12231/13347 6-25 Rumania 112001/112430 11-20 Rumania 112601/112769 11-15 113002/113285 113002/113285 German 12511/12621 21-25 (Suburban) 1601/7695 11-15 7802/7925 (with Driver's Cab) 7501/7560 11-15 Luggage 14032/14050 11-20 14430/14645 19933/19940 19942/19945 19985 19985 10-40	SEMAF 17001/17042 1-10 41 SEMAF 10611/10889 1-30 596 13205/15520 11-20 83 Rumania 112901/112965 11-20 83 112047/112423 11-15 141 (Suburban) 114000/114075 11-15 141 112801/112875 112801/112875 15 German 10521/10605 21-25 15 SEMAF 12231/13347 6-25 419 Rumania 112001/112430 11-20 276 Rumania 132601/112769 11-15 432 113002/113285 3 3 3 German 12511/12621 21-25 21 (Suburban) 1601/7695 11-15 199 7802/7925 3 3 3 (with Driver's Cab) 7501/7560 11-15 45 Luggage 14032/14050 11-20 211 14430/14645 19933/19940 19942/19945 19985	SEMAF 17001/17042 1-10 41 SEMAF 10611/10889 1-30 596 42.00 13205/15520 11-20 83 42.00 Rumania 112901/112965 11-20 83 42.00 112047/112423 11-15 141 42.00 (Suburban) 114000/114075 11-15 141 42.00 112801/112875 112801/112875 15 38.00 SEMAF 12231/13347 6-25 419 42.00 Rumania 112001/112430 11-20 276 42.00 Rumania 132601/112769 11-15 432 42.00 (Suburban) 1601/7695 11-15 199 42.00 (Suburban) 1601/7695 11-15 199 42.00 (with Driver's Cab) 7501/7560 11-15 45 42.00 Luggage 14032/14050 11-20 211 41.00 19933/19940 19942/19945 19985 10-40 16	SEMAF 17001/17042 1-10	SEMAF 17001/17042 1-10 41 HP 644 100.00 SEMAF 10611/10889 1-30 596 42.00 105/64 86.30 Rumania 112901/112965 11-20 83 42.00 88 84.00 (Suburban) 114000/114075 11-15 141 42.00 108 86.30 German 10521/10605 21-25 15 38.00 88 0.00 SEMAF 12231/13347 6-25 419 42.00 80 79.80 Rumania 112001/112430 11-20 276 42.00 107 83.30 Rumania 112601/112769 11-15 432 42.00 108 83.70 German 12511/12621 21-25 21 36.00 108 0.00 (Suburban) 1601/7695 11-15 199 42.00 78 94.50 (with Drivers Cab) 7501/7560 11-15 45 42.00 72 94.50 Luggage

A-98

Table 3.11.6 Age-wise Passenger Car

Man	ufacture	Series Number	No. on						Age					
			Book	1-5	10	15	20	25	30	35	40	45	50	50-
WL Hu		11001-11050	43						****	43				<u> </u>
O M														
WI Ger	man	11051-11110	60			60								
O		11111-11141	(55) 31	(55) 31										
WL Spa	3111	11111-11141	(10)	(10)										
CB Spa	in :	11340-11348	7	7										
0		<u> </u>												<u> </u>
CB Ger	man	11328-11339	12			12								
lst	Hung	11301-11327	22						2	20		1		
	German	11401-11422	21			:	21							
	France	11423-11464	41		7	34							Î	7
	Spain	11350-11392	43	43			************							
	SEMAF	11465-11484	20	20										
•	SEMAF				l	l		 						
	(Spain)	11485-11494	10	10										
2nd	German	11601-11677	65				65							
	France	11678-11747	68		8	60		<u> </u>						
4.1	Spain	11201-11250	50	50								*****		
	SEMAF	11748-11974	227	75	152			· ·		·				<u> </u>
Buffet	German	11501-11511	11		1		11							
	France	11512-11539	28		4	24		1						†
	SEMAF	11540-11566	27	27	 		<u> </u>	 	 					
:	O						l			-				·
1	Spain	11567-11578	(12)	(12)	:									
	Total At	C Car	(825)	(302)										
			786	263	171	190	97	<u> </u>	2	63	l	ļ		<u> </u>
O M		1	72	:		72		:						
Power St		14145-14217				12	ļ			·		i		 -
	:маг (1995)	17001-17042	(56) 41	12	29	:								1 1
	(1777)	10611-10889	 			<u> </u>			1 1	 			 	
2nd	SEMAF	13205-15520	596	30	21	321	135	68	21					
	····	112901-112965										<u> </u>		1
	Rumania	112047-112423	83			72	- 11	i i i i i				:		
		114000-114075												
	Suburban	112801-112875	141			141								<u> </u>
	German	10521-10605	15					15						ļ
3rd	SEMAF	12231-13347	419		68	174	164	13					ļ	
	Rumania	112001-112430	276			133	143							<u> </u>
	Rumania	112601-112769							1					
	Suburban	113002-113285	432			432			Ì		:	L.	<u> </u>	<u></u>
	German	12511-12621	21]		21						
Suburb	an	7601-7695		·	1						. :			
		7802-7925	199			199		<u> </u>				<u> </u>	ļ	<u> </u>
	with	3501 2552												1
	Driver's C	7501-7560	45	·		45		<u> </u>				ļ	 	ļ
1,		14032-14050	211			158	51							2
Luggag		14430-14645	211 16		 	128	21	ļ			4	 	 	
Refrige	RECOF	19927-19931 19933-19940	10	1		1 12		'	,		4		l	1
		19942-19945]											ĺ
		119985				<u> </u>	L .						L	
	Tota	al	2567	42	118	1759	504	117	21		4		I	2

O: Maintenance by Mahmoud Abdel Salam Co.

Table 3.11.7 Transition Number on Book [Passenger Car (1)]

	Manu-					Numbe	er on Bo	ook as c	of Jan 1			·
Туре	facturer	Series Number	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
WL.	Н	11001-050	44	43	43	43	43	43	43	43	43	43
	G	11051-110	60	60	60	60	60	60	60	60	60	. 60
	Sp	. 11111-141	-	_	-					:	- :	31
СВ	Sp	11340-348	-	-	•	-		-	-	1 2		7
	G	11328-339	12	12	12	12	12	12	12	12	12	12
lst	H	11301-327	20	20	20	21	21	21	22	22	22	22
	G	11401-422	21	21	21	21	21	21	21	21	21	21
	F	11423-464	42	42	42	42	42	41	41	41	41	41
	Sp	11350-392			_	•	_		-	-	43	43
	SEM	11465-484		-		-	-			-	5	20
	SEM (Sp)	11485-494	-	•			•		-	-	-	10
2nd	G	11601-677	70	70	70	70	68	66	6 6	66	66	65
	F	11678-747	70	69	69	68	68	68	68	68	68	68
	Sp	11201-250	_	-	-	<u>.</u>	-		-	8	50	50
	SEM	11748-974	_	96	120	139	152	161	205	223	227	227
Buffet	G	11501-511	11	11	11	.11	11	11	11	11	11	13
	F	11512-539	28	28	28	28	28	28	28	28	28	28
	SEM	11540-566	-	-	-	11	-	8	27	27	27	27
	Total AC	Car	378	472	496	515	526	540	604	630	724	786

Remarks:

H:

Hungary

G:

Germany

Sp:

Spain

 \mathbf{F} :

France

SEM: SEMAF

Appendix 3.11

Table 3.11.7 Transition Number on Book [Passenger Car (2)]

	Manu-					Numbe	r on Bo	ok as o	f Jan 1			
Туре	facturer	Series Number	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Power	MBB	14145-217	72	72	72	72	72	72	72	72	72	72
Car	SEM	17001-042	. 1	.5	30	30	30	29	- 31	31	31	41
2nd		10611-889						598	597	607	606	596
	SEM	13205-15520						J76	371		000	370
		112901-965	741	768	751	745	734	88	88	88	83	83
	Ru	112047-473										
	G	11521-605			:			68	54	51	45	15
		114000-075	149	149	148	148	148	147	146	143	143	141
	Sub	112801-875	149	147	140	1,40	140					
3rd	SEM	12231-13347						469	455	430	422	419
	Ru	112001-430	1102	1063	1031	1014	995	376	373	361	276	276
		12511-621						93	64	53	50	21
	Ru	112601-769	450	450	443	443	442	441	441	440	438	432
	Sub	113002-285	430	430	443							
	6.1	7601-7695	212	206	207	207	207	202	200	200	199	199
	Sub	7802-7925	212								ļ <u>.</u>	ļ <u>.</u>
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	w/Driver C	7501-7560	56	56	55	55	55	54	50	49	47	45
Luggage		14032-050	243	236	227	222	218	218	216	216	213	211
		14430-645	243	2.50					ļ		 	ļ
Refri-		19927-931]									
gerator		19933-940						18	18	18	16	16
		19942-945] `) -				:		
		19985		<u> </u>					ļ	ļ	ļ	
Others			10	9	3	3	3	<u> </u>	<u> </u>		ļ <u> </u>	
	Total Norm	al Car	3036	3004	2967	2939	2904	2873	2805	2159	2641	2567
•	Excluding Pow Car and Refrig	rer Car, Luggage irator Car)	2720	2691	2638	2717	2584	2536	2468	2422	2309	2227

Table 3.11.8 Particulars of Freight car

Туре	Series No.	Age 31-12-	No. on Book	Tare Weight	Max. Loading	Length	No. of With	Cars *	Availa- bility
		1995	1-1-1995		Weight (t)	(m)		air brake	
pen			· · · · · · · · · · · · · · · · · · ·		, 				
ron	75002/76519	1-25	842	23.00	65	10.460	842		70.9
oal (High Side)	77001/77450	6-15	409	24.00	50	13,000	409		84.6
Vormal	51000/57000/59400	11-35	714	19.30	20/40	12.580		714	
hosphate	59501/59790	6-10	290	21.20		13.000	290		90.8
hosphate (Amsted)	22001/22150	1-10	360	19.30	50.	13.000	: 360		90.8
Sugar Cane	32500/32799	1-10	400	7.00	10	8.110		400	100.0
lipper (High Dam)	92001/92141	31-35	88	20.00	50	11.006		88	
lopper (Pebbles)	90000/92820	1-45	1,000	20.00	40	11.006	500	500	86.6
	25001/25200								<u> </u>
lopper (Iron)	90511/90700	31-35	39	20.00	50	9.158		39	64.
wheels	19511/19525	;	**	×	20	11222	177		
Coal	23001/23250	1-5	249	24.00	50	13.000	130	99	84.6
Total			4,391	·			2,551	1,840	
lat									
Frack Use	40800/40900/41122	1-30	509	23.00	50	19.200	189	320	86.2
	41411/46001/46050						<u> </u>		
Various Materials	40000/41000/42000	1-50		22.00	20/80	13.510	200	634	86.2
	45000/72000/72100		834		75/40				
	17686/17885		<u> </u>	15.70		14.810			
Renew	17651/17685		**		20				
Container	43001/43100	1-10	100	25.00	60	19.760	100		88.0
Flat	721017723 59	1-10	459	18.40	30	14.810		459	
Total	<u> </u>		1,902	:	}		489	1,413	
Covered									
Italian	93000/93499	21-30	447	25,00		15.666	447		64.5
Hopper (Wheat)	93500/93849	11-15	342	28.00		16.000	342		64.:
SEMAF	94001/94745	6-15	729	22.80	1	15.698	159	570	64.5
Sheet-Iron	20001/20140	1-10	185	20.35		15.700	185		
Hopper (Grain)	21001/21134	1-5	133	28.00		16.000	133		64.
Animal	14800/14999	1-10	199	23.00	30	15.700	199		90.4
Closed	67000/68000	11-50	1,430	22.80	40	15.698	440	990	87.1
	69000/70531								
Vegetable	70407/70513	31-45	8	22.80	30/40	15.698		8	
Closed	30021/30282	46-50	35	12.3/18.4	30/35	11.29	*	35	
	68002/68050					/11.315	:		
Animal (old)	14557/14705	36-45	12	20.00		16.465			
Closed	39701		4.4		35	,			42-1
Phosphate	24000/24373	1-5	221		65				90.8
Total	L	<u>L</u>	3,741	L	L	L	1,905	1,603	
Brake Van	·		r						<u> </u>
Brake Van	18000	16-30	90	40.00		10.800			66.3
Brake Van	118000	6-50	260	40.00		10.800			
Brake Van	29001/29025	1-5	25	40.00		10.800			
Brake Van	29501/29525	1-5	25	40.00	40	10.800	25		<u> </u>
Other Type	<u> </u>		1		<u> </u>		ļ		
Total	<u> </u>	<u> </u>	400	l	<u></u>	L	400	0	
Tank Car	Incasa a casa a casa		·					. نبنی	,
Various Types	85000/86000/87000	1-50	2,002	25.00	38/40	13.679	855	1,147	8 6.3
	89000/95000/96000								
	87000/98000/28000	ļ	ļ	<u> </u>	<u> </u>				
Total	L	L	2,002	L	L	[855	1,147	<u></u> _
Crane Car		·	·	·	,	·	:	· · · · · ·	,
German	<u> </u>	1-5	5		100		<u> </u>		
Normal	19101/19105	16-40	15	[40		· -		
		1	1	}	60				
					80				
Finland	19000	6-15	16		15				
German	19701/19716	6-10	6		60				
Gum Tyre	19801/19805	6-10	5	1			<u> </u>		
Total			47	I	T		0	0	

Number is changing day by day

Not enough information, may be, out of service 4 Wheeler

Table 3.11.9 Age-wise Freight Car (1)

··	Series Number Max. No. Age												
		Loading Weight (t)	on Book	1.5	10	15	20	25	30	35	40	45	50
Ореп					.,								
lron	75002/76519	65	842	374		88	165	215					
Coal	77001/77450	50	409		74	335			Į				
(High side)													
Normal	51000/57000/ 59400	20/40	714			17	604			93			
Phosphate	59501/59790	40	290		290								
Phosphate (Amsted)	22001/22150	50	360	330	30								
Sugar cane	32500/32799	10	400	100	300		:						
Tipper (High Dam)	92001/92141 90000/92820	50	88							88			
Hopper (Pebbles)	25001/25200	40	1000	222	139	226	91	212	26	60	15	9	
Hopper (Iron)	90511/90700	50	39			:				39		:	
4 wheels	19511/19525	20	7			i	7						
Coal	23001/23250	50	249	249								:	<u> </u>
Total	.		4398	1275	833	666	867	427	26	280	15	9	
Elat													l
Track Use	40800/40900/	50	509	50	:	273	91		95				١.
	41122/41411/	•		1	ł								
	46001/46050		 	<u> </u>			<u> </u>	1					
Various Materials	40000/41000/ 42000/45000/	20/80								:			
•	72000/72100/	75/40	834	46	134	101	203		52	170	56	43	29
	17686/17885	20	<u></u>										
Renew	17651/17685	20	22					<u> </u>				22	ļ
Container	43001/43100	60	100	26	74					.:			
Flat	72101/72559	30	459	25	434			ļ	1	:	<u> </u>		
Total	;	· · · ·	1924	147	642	374	294		147	170	56	65	29
Covered					1.			l '			:		
Italien	93000/93499	65	447					44	403				
Wheat	93500/93849	65	342			342							ĺ
SEMAF	94001/94745	50	729		204	525		1.1					
Sheet-iron	20001/20140	50	185	115	70								
Hopper (Grain)	21001/21134	65	133	133		•							
Animal	14800/14999	30	. 199	35	164		1			:	:4		
Closed	67000/68000	:					262			97		34	2
	69000/70531	40	1430	ļ	ļ	127	257	289	624			34	
Vegetable	70407/70513	30/40	8					1		5		,	
Closed	30021/30282	20/26	1 20					1			,		35
	68002/68050	30/35			ļ	ļ	ļ	 		 -	6	6	
Animal (old)	14557/14705	40								۱ ،	ľ		
Closed	39701	35	1	1	1 .	1			I	l '	i		l
Phosphate	24000/24373	65	221	221	1	1			-		Į		

Table 3.11.9 Age-wise Freight Car (2)

	Series Number	Max Loading	No. on	Age										
		Weight (t)	Book	1-5	10	15	20	25	30	35	40	45	50	
Brake Van	1												·	
Brake Van	18000	40	90				7	79	4			: .		
11	118000	40	260		7	213				6	1	18	15	
"	29001/29025	40	25	25					:					
"	29501/29525	40	25	25		:								
Other Type			35									18	17	
Total			435	50	7	213	7	79	4	. 6	: <u>1</u>	36	32	
Tank Car		:											-	
Various	85000/86000/			:		ì								
Types	87000/89000/												:	
7	95000/96000/													
	97000/98000/							·	-				·	
	28000	38/40	2002	168	276	928	326	109	141		19	3	32	
Crane Car	10101410105													
German	19101/19105	100	5	5			 .	<u>.</u>						
Normal	19000	60 80	15				6	3	1	2	3			
Finland	19701/19716	15	16		4	12							L	
German	19601/19606	60	6		6									
Gum Tyre	19801/19805		5		5						·			
Total		 	47	5	15	12	6	3	1	2	3			

Appendix 3.11 Table 3.11.10 Transition Number on Book [Freight Car (1)]

						Nime	ar on D	ok as of	ian 1	a garagi ngga ngga paparanila ng Pa		
Type	Series Number	Capa- city (t)	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
			1980	1707	1700	1307	1920	1771	1774		1224	
OPE			0.0			004			~~~~	733	825	842
Iron Ore	75002-76519	65	849	795	790	774	771	733	733	733		
(H. Side) Coal	77001-77450	50						421	414	414	414	409
(Amsted) Phosphate	22001-22050	50	585	583	582	570	550	50	50	50	150	225
(H.Dam) Tipper	92001-92141	50	307		302			90	89	89	88	88
(Hopper) Iron Ore	90511-90700	50						47	47	47	45	39
Coal	23001-23250	50	-	•	-		-		-	250	249	249
Phosphate	59501-59790	40		-2			•	290	290	290	290	290
(Hopper) Pebbles	90000-92820	40				:	(2)	830	820	971	990	978
1 COOKS	25001-25165	40	474	452	568	639	633		1 :			,,,
Normal	51000	40				:						:
	57000 59400	20	434	387	387	387	386	723	723	723	721	718
Sugar Cane	32500-32799	10	: -		-	-	300	300	345	400	400	400
4 Wheeler	19519-19525	20	1329	1001	884	439	7	7.	7	7	. 7	7
Others		35/30	390	298	222	202	-		-		-	•
Sub-T	Fotal		4061	3516	3433	3011	2647	3491	3518	3974	4179	4245
11.4	<u> </u>											:
Flat	40000-41000 -42000	140 /120	5	5	5	5	5					
	45000-72000 -72100	80/ 75/40	381	459	475	502	484	811	803	802	<i>7</i> 99	798
	17686-17885	20	343	276	269	269	263	<u></u>				
For Track	17651-17685	20	20	20	20	22	22	22	22	22	22	22
For Rail	40800-40900 -41122 41411-46001 -46050	50	542	532	527	516	512	478	478	526	520	511
Container	43001-43100	60						100	100	100	100	100
Flat	72101-72557	30	25	145	205	405	405	420	459	459	459	459
4 Wheeler	<u> </u>		81	62	60	18	18			-	-	-
Sub-1	rotal .		1397	1499	1561	1737	1709	1831	1862	1909	1900	1890

Appendix 3-11

Table 3.11.10 Transition Number on Book [Freight Car (2)]

		Cana	T			Numi	ber on B	ook as c	of Jan 1			
Туре	Series Number	Capa- city (1)	1986	1987	1988	1989	1990	1991	1992	1993	1991	1995
BO	X								1	1	1	1
Italien	93000-93499	65		 				465	455	455	455	447
(Hopper) Com	93500-93849	65	823	823	817	802	800	344	344	342	342	342
SEMAF	94001-94745	50	889	872	804	820	787	733	732	732	732	730
Amsted	20001-20140	50	-	1	1 -	-	-	140	140	140	140	140
(Hopper) Wheat	21001-21134	65	-	-			-	-	134	134	134	133
Box	67000-68000											
	69000-70531	40	2818	2750	2662	2606	2407	1468	1441	1436	1436	1431
Vegetable	70407-70513	30/40	32	29	23	22	15	8	8	. 8	8	8
Box	30021-30282	20/26	120	121	124	,,,	3.3	3,5				
	68002-68050	30/35	139	131	124.	121	37	36	36	35	35	35
Animal	14800-14999	30	572	551	494	400	165	200	200	200	200	199
	14557-14705	40	82	32	18	17	13	14	12	12	12	12
Box	39701	35	-			-	_	1	1	1	1	1
Phosphate	24000-24373	65	•			+	-	-		_	[221
Others			2925	2592	2374	31	31	-				
Sub-T	otal		8310	7780	7316	4819	4255	3409	3503	3495	3195	3702
BRAKE	VAN											
Brake Van	18000	40	223	185	133	110	96	92	91	90	90	90
	118000	40	306	335	329	289	283	271	266	264	264	261
	29001-29025	40	_				-	25	25	25	25	25
	29501-29525	40	-		·			25	25	25	25	25
Others			127	103	85	43	43	38	35	35	35	35
Sub-T			656	623	547	442	422	451	442	439	439	436
Freight Car C			14124	13418	12857	10009	9033	9182	9325	9817	19013	10273
IVI	·										·	
Various		38/40	2106	2018	1975	1942	1897	1874	2019	2011	2001	2005
CRANE												
German	19101-19105	100	•		•	-		•	•	3	3	5
Normal	19000	80.60 /40	29	15.	15	15	15	15	15	15	15	15
Finland	19701-19716	15	16	16	16	16	16	16	16	16	16	16
German	19601-19606	60	6	6	6	6	6	6	6	6	6	6
Gum Tyre	19801-19805		5	5	5	5	5	5	5	. 5	5	. 5
Sub-T	otal		56	42	42	42	42	42	42	45	45	47
Tota	al		16530	1506	14832	11951	10930	11056	11344	11878	12/17	12278

	Servi	Service		Where	First	n .
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Area	31-3-95 × 10°	23-6-96	Year	
3001	P	P	224		1992	
3002	//	11	217	DB		
3003	//	//	219		"	
3004	//	"//	242		11	
3005	//	"	249		//	
3006	//	//	232		"	
3007	//	//	213		//	
3008	"	"	217		//	
3009		"	239	F	"	
3010		"	173		//	
		<i>"</i>	216		"	
3011			170		1993	
3012			170		1//3	
3013		//		DB	<i>'''</i>	
3014	//	//	207	DB		· · · · · · · · · · · · · · · · · · ·
3015	//	//	195		//	
3016	"	K	1,047		1977	
3017	"	"	1,245	DB	//	
3018	//	//	1,032	K	"	
3019	//	//	1,145		11	1.00.00
3020	//	-	1,133		//	SC 7-6-89
3021	11	BD	1,091		//	
3022	"	"	1,166		//	
3023	//	-			//	
3024	"	BD	1,155		//	
3025	"	"	956	DB	"	
3026	"	"	1,089		"	
3027	"	"	1,070	AZ	11	
3028	"	"	1,126		"	
3029	" "	"	1,086		"	
3030		 "	941		"	
	— <i>"</i>	 ",	1,164	DB	"	
3031		" "	1,249	UD.	 	
3032	"	"	1,237		" "	
3033	"				— <i>",</i>	
3034	"	"	1,105	- BD	<u> </u>	<u> </u>
3035	"	"	986	BD	//	
3036	"	"	1,328	- F3	1070	
3037		"//	1,070	F	1978	4
3038	"	//	1,193		//	
3039	"	11	1,192		//	
3040	11	//	1,180	F	//	
3041	"	//	1,129		"	
3042	"	//	1,304		//	
3043	//	T -	-		//	SC 15-5-89
3044	"	BD	1,564	F	//	
3045	//	"	1,441	T	//	
3046	"	"	1,333		"	
3047	† <i>''</i> //	1111	1,395		"	
3048	 ;,		1,331	DB	//	
3049	 	""	1,353		"	· · · · · · · · · · · · · · · · · · ·
		 "-	1,412		"	
3050		 	1,186		1980	
3051			681		//	
3052	//	//		F		
3053	//	//	1,556	·	<u> </u>	
3054		//	1,371	DB	//	
3055	"	"	1,376			
3056	"	"	1,284	F	//	
3057	"	"	1,347		"	
3058	"	//	1,424	DB	"	
		"	1,346	1.77	//	1
3059	"	"	1,356		"	

	Sent	ce	Total Running	Where	First	ann ann an Aireann an
No.			km from beg.to	as on	Service	Remarks
:	F.P.S	Area	$31-3-95 \times 10^{3}$	23-6-96	Year	
3061	F	BD	1,533	DB	1980	
3062	"	//	1,287		"	
3063	//	//	932	andre an arrangement and a second and a second and a second and a second and a second and a second and a second	//////	
3064	//	"	1,435		 	
3065	"	"	1,312		<i> </i> -	
3066		",	1,372	AZ	 	And the state of t
3067	<i>"</i>	- //	1,444	NU .	 	
3068		<i>",</i>			 	
			1,372			
3069	//	"	1,423			
3070	"	//	1,408	F	"	
3071	`#	"	1,489	·	"	
3072			1,452	DB	"	
3073	11	//	1,300		. //	
3074	"	"	1,623	:	"	
3075	//	"	1,782		"	
3076	"	"	1,693		1981	.
3077		//	1,556		"	
3078		"	1,572		† <i>"</i>	
3079		"	1,564		 	
3080		F "F	1,631	*****	 <i>",</i>	Sapanang salangan Paramagan Interpreted in April 1984 ang <u>ang kanggang ang ang ang ang ang ang ang ang </u>
3081				DB	 	
			2,015	<u> </u>		
3082	//	//	2,185		"	· · · · · · · · · · · · · · · · · · ·
3083	//	"	2,029		"	
3084	"	"	2,161	DB	"	
3085	"		1,848		1982	
3086	11	"	1,980		//	
3087	: //	//	1,842		"	
3088	//	//	2,048	F	//	
3089	//	<i>"</i>	2,137		//	
3090	//		2,001	· · · · · · · · · · · · · · · · · · ·	 	
3091	//	"	2,007	T	1983	
3092	"	. //	2,155		"	
3093	''	'	2,079		 ;, -	
3094	<i>'</i> '	" "	1,346		 	
3095				DB	1985	
			1,548	DD	1983	
3096	"	"	1,873		 	
3097		//	1,543		"	:
3098	"	"	1,835	DB	"	
3099	"	//	1,654	:	//	
3100	//	"	1,362		//	
3101	//	//	1,862		"	
3102	"	//	1,815	DB	"	
3103	//	"	1,582		"	, , , , , , , , , , , , , , , , , , ,
3104	11	//	1,745		"	
3105		"	1,587		"	
3106		"	1,327	Н		
3107			1,820		 ;; -	
3107		",	1,486		 	
					II-	
3109		<u>"</u>	1,743	*	<u>"</u>	
3110	- //	"	1,888		"	
3111		//	1,508			
3112	//	"	1,876		//	
3113		"	1,759	F	//	
3114	"	"	1,886		"	
3115	11	"	1,497		"	
3116	"	"	1,456		1988	
3117	//	"	25		""	
3118	"	"	1,734		<i>"</i>	
3119	"	· · · · · · · · · · · · · · · · · · ·	1,434		<i>",</i>	
3120		BD	1,518		1981	
2120	1'	L	1,310	·	1391	

	Servi	ce	Total Running	Where	First	
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Area	31-3-95 × 10°	23-6-96	Year	
3121	F	BD	1,602		1981	and the state of t
3122	"	.11	1,234		//	
3123	"	//	1,771		//	
3124	//	//	1,628	DB	11	A STATE OF THE STA
3125	"	"	1,575	. //	"	
3126	"	//	1,661		"	
3127	: //	//	1,650	DB	"	
3128	"	//	1,597		//	
3129		//	1,501	DB	//	
3130	//	//	1,590		"	
3131	//		1,663	F	11	
3132	"	//	1,695		1982	
3133		"	1,790		//	
3134	 ;;		1,899		<i>'''</i>	
		"	1,553	AZ	//	
3135		" "	1,855	DB	"	
3136			1,835	DD	""	
3137				F	""	
3138		"	1,520	r		
3139	"	"	1,517			
3140		"	1,757			<u> </u>
3141		"	1,516		<i>"</i>	
3142	11		1,440		"	
3143	"	"	1,512		"	
3144	"	//	1,715	:	"	
3145	- //	"	1,615	DB	"	
3146	"	"	1,797	:		
3147	"	"	1,702			
3148	"	" "	1,715		//	
3149	"	"	1,828		"	
3150	"	"	1,813		"	
3151	P	F	1,584		1982	
3152		11	1,927	DB	. //	
3153	"	"	1,911	F	// .	
3154		//	1,941	1	"	
3155		1 //	1,633		"	
3156	- //	 	2,032	DB	"	
3157	"	//	2,022	//	"	
3158	- //	///	1,796		"	
3159	- //		1,952		"	
3160		 	1,904		"	
3161	- ", - "	"	1,859		 	
3162		" "	1,629		"	
3163	"	 ;;	1,827		11	
		 "	1,959	<u> </u>	 	
3164		 ""	1,429		 	
3165				F	"	_
3166		"	2,024	1	"//	
3167			2,217			
3168			1,831		_1	
3169		//	1,981		//	
3170		//	2,233			10014184
3171	"				//	SC 14-4-86
3172	//	F	1,617		1988	
3173	"	: //	1,616	F	"	
3174	"	"	1,733		"	
3175	"	"	1,620		"	
3176		//	1,639		"	
3177		"	1,666		"	
3178		"	1,751	DB	//	
		"	1,600	AZ	"	
3179	"	• • • • • • • • • • • • • • • • • • • •	1,000			

	Servi	ce	Total Running	Where	First	
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Area	$31-3-95 \times 10^{3}$	23-6-96	Year	
3181	P	F	1,635		1988	
3182	//	//	1,601		"	:
3183	//	//	1,266		1990	
3184	//	//	1,224		//	
3185	"	//	1,301			
3186		-	1,424	ĀZ	//	
3187	<u>"</u>	" "	1,285		"	
3188			1,304		 ";	
					1993	
3189	F	//	194			
3190	//	//	176			
3191	//	//	184			
3192	//	//	121			
3193	11	//	129		"	
3194	//	//	151		"	
3195	. //	//	145		"	
3196	"	"	146		"	
3197	1/	11	136		"	
3198	//	//	150		1994	
3199	<i>"</i>	//	149		"	
3200	—— <u>"</u>		148		"	
3201	P	······	2,029		1983	
3202	- //		2,090		1/03	
3202	<i>"</i>	''	1,681	AZ	" "	
	<u>''</u>	<i>''</i>	2,156	. AG	" "	
3204					 	
3205		<i>"</i>	2,164			
3206	//		2,114	DB	"	
3207	- //	//	2,095	//	"	
3208	"	//	2,038	//	"	
3209	//	//	2,218		"	
3210	//	"	1,715	<u> </u>		
3211	//	"	2,110		//	
3212	//	"	1,949		11.	
3213	"	11	2,025		1984	
3214	"	-	-		//	SC 11-9-89
3215	//	F	2,161	DB	"	
3216	"	//	2,036	//	11	
3217	" //	//	1,984		"	
3218	<i></i>	//	1,756		"	
3219	//	//	2,004		//	
3220	" "	"	1,994	F		·
3221	"	"	1,911		"	
3222	<u>"</u>	<i>'</i> //	1,274	DB	· · · · · · · · · · · · · · · · · · ·	
3223		<i>"</i>	192	1717	<i>''</i>	
3224	<i>''</i>	<i>"</i>	1,322	· · · · · · · · · · · · · · · · · · ·	 	
3225	" "		1,322	·	" "	·· ·
				·,		
3226	<i>"</i>		928		"	
3227	//	: //	1,104	DB		
3228	//	11	1,073	//	. //	· · · · · · · · · · · · · · · · · · ·
3229	//	//	1,261		//	
3230		"	1,263		//	
3231	//	//	947	DB	"	
3232	"//	.//	1,020		11	
3233	//	//	1,169		- 11	
3234	"	"	899	DB	"	
3235	"	"	971	· · · · · · · · · · · · · · · · · · ·	"	
3236	//	"	1,065	F	"	
3237	11	//	903		"	
3238	"	"	1,023		//	
3239	''''	<i>"</i>	794	AZ	"	
3240	" "	"	1,222	DB	<i>;,</i>	
3240	<u> </u>	<u> </u>	1,266	1/13	<u> </u>	

	Servi	ce	Total Running	Where	First	The case of the ca
No. □			km from beg.to	85 OB	Service	Remarks
	F.P.S	Area	31-3-95 × 10°	23-6-96	Year	
3241	F	K	976	DB	1976	
3242	//		1,430	//	"	· · · · · · · · · · · · · · · · · · ·
3243	//	//	1,406	Me	//	
3244	//	"	1,509	DB	//	
3245	"	11	1,515		11	
3246	"	"	1,306	DB	11	
3247	//	//	1,706		11	
3248	//	BD.	1,787	;	"	
3249	//	11	1,741	DB	"//	
3250	//	"	1,630		11	
3251	//	//	1,653		//	
3252	//	"	1,680	F	//	
3253	//	"	1,788		11	
3254		"	1,684	······································	11	
3255	<i>"</i>	"	1,740	Tb	- //	
3256	. //	"	1,712	10	"	
		<u>"</u>			<i>"</i>	:
3257			1,600			
3258			1,794			
3259	//	//	1,686	DB	, ,//	
3260	' //				//	SC 11-8-83
3261	"	BD	1,542			
3262	//		1,650	DB	"	
3263	//	. //	1,707		.//	
3264	//	"	1,653		1977	
3265	"	"	1,613		"	
3266	11	"	1,606	Me	11	
3267	//	"	1,676		//	
3268	"	- //	1,764		"	
3269	"	"//	1,693		//	
3270	//	11.	1,738	F		
3271	//	Tb	818		1979	
3272	1/	"	933		//	
3273	"		855		"	
3274		"	849		. //	
3275		"	675	Tb	//	
3276		""	897		"	
3277			805 759		<u> </u>	
3278	- //	"				
3279	//		752			
3280	//	//	801	Тъ	//	
3281	//	//	794	' //	"	
3282	//	//	725			
3283	//	//	766		- //	
3284	//	"	685		//	
3285	//	//	862		1/	
3286	"	"	848		11	
3287	//	"	689		11	
3288	//	"	760		//	
3289	//	"	837		//	***************************************
3290	//	"	863	Ть	"	·
3291	 //		818			
3292			830	Тъ	 //	+
3292		"	772			
			898			
3294						
3295	//		733			
3296		//	645	Tb	· //	
3297	//	//	495			
	//	" "	915		//	
3298 3299	//	//	781		"	

Appendix 3.11 Table 3.11.11 History of Each Locomotive

	Servi	ce	Total Running	Where	First	
No.	F.P.S	Area	km from beg.to 31-3-95 × 103	as on 23-6-96	Service Year	Remarks
			_			and the second s
i iyogaya aris Maasar ahaa ikilkalka		***************************************		-		
3445	Р	P	827		1984	
3446	//	"//	1,223	DB	"	
3447	//		819	//	"	
3448	"	//	1,137	"	//	
3449	11	.11	1,248		"	
3450	//	: //	900	DB	"	
3451	"	//	1,124		//	
3452	<i>-</i>	11	730		"	
3453		//	95	DB	//	
3454	"	//	1,208		//	
3455	//	//	1,102		//	
3456	"	"	1,277		//	
3457	"	"	990	F	"	
3458	"		1,246		"	
3459	"	"	223		// 5	
3460	'''''	<i>'</i> ''	1,175	AZ	1985	
3461	"		930	DB	11	
3462	"	" "	726		"	
3463	""	"	929		" "	
3464	 ",	 "	1,083		<u>''</u>	
3465	"	<i>"</i> ,	1,115		<i>'</i> ;;	
		"	1,098		<i>'',</i>	
3466	//	<u></u>	1,103	F	<i>",</i>	
3467		"		<u> </u>	<u>"</u>	
3468			1,166	F		
3469 3470	//	"	808 1,160	r		
	"				1982	
3601	Р	Me	1,209		1982	
3602	//	Ma	3,738			
3603		<i>"</i>	457		1983	<u> </u>
3604	//	<i>"</i>	1,381	Ma	//	
3605	//	H	1,315		//	
3606	//	F	961		//	
3607	"	//	1,073			
3608	"	Ma	1,715			
3609	//	"	2,868		"	:
3610	"	//	2,912	DB	"	
3611	"	F	1,300		"	
3612	//	Ma	1,305		"	
3613	//	H	1,182		"	
3614	//	Z	1,335		" //	
3615	//	T	1,453		"	
3616	//	Z	1,418		"	
3617	- //	Ť	1,681		"	
3618	//	"	1,542		"	
3619	//	F	1,181		"	
3620	"	T	1,842		"	
3621	//	H	1,249		"	
3622	//	Z	1,307		"	
3623	//	"	1,352	Z	"	· · · · · · · · · · · · · · · · · · ·
3624	"	"	1,076		<i>"</i>	
3625	"	//	1,376		"	
3626	"	F	1,186		"	
3627	111	 ii 	967		"	
3628	· · · · · · · · · · · · · · · · · · ·	1 11	1,480	 	 	
3629	''''	 	1,470		 	
						and the second s

	Servi	ce	Total Running	Where	First	
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Area	$31-3-95 \times 10^{\circ}$	23-6-96	Year	
3631	P	F	1,195	DB	1983	
	//.		1,040	Ma	//	
3632			1,175	DB	"	
3633	//	//		DD	<u>"</u>	
3634	//	Z	1,032			
3635	//	F	1,028		//	Approximate strategy by the strategy of the st
3636	"	Me	1,171	DB	//	
3637	"	К	1,222	"	//	
3638	"	F	660		//	
		К	360	DB		
3639					<i>//</i>	
3640	- //	//	356			
3641	a ' //	F	1,193		"	
3642	"	-//	877	DB	//	
3643	. //	11	1,168		"	
			1,125		"	
3644	//		1,369	<u>z</u>	"	
3645	"	Z				Grandin A7
3646	//	F	11	AZ	//	Stopped in AZ
3647	"	H	1,017	DB	"	
3648	"	Me	1,143		//	
3649	"	F	1,004	DB	"	
		<u> </u>	975		"	
3650	"				"	1
3651	"	Me	1,047	Me		
3652	//	K	346	AZ	//	
3653	"	F	802		//	
3654	"	"	918	F	//	
		Me	1,079		"	
3655			1,357		"	
3656	"	Z			" "	
3657	//	F	1,188			
3658	<i>"</i>	Z	1,378		//.	
3659	"	F	816		"	
3660	"	"	1,012		" "	
		<u>Z</u>	1,359		1983	
3661	//	<u> </u>	1,307			
	<u></u>					
	<u> </u>			·		
		T			1	
	+	 				
	 	 				
	_					
	<u> </u>					
	<u> </u>	<u> </u>				
		1	<u> </u>		1	<u></u>
3801	P	7 7	2,103		1977	
3802	"	"	2,437		"	
3803	"		2,170		"	
		 " "	2,298		//	1
3804	//		2,270		 ; 	
3805	//	"	2,123			
3806	"	//	2,326		"	<u> </u>
3807	"	"	2,250	L	"	
3808	, , , , , , , , , , , , , , , , , , ,	11	2,287		"	_1
3809	 	 	2,528	DB	"	
		 ""	2,083		//	
3810	"				" "	
3811	//	// //	2,225			
3812	//	//	2,113		"	
3813	"	//	2,259		"	
3814	 	"	2,369		"	
		 ",	2,242		"	
3815					"	
3816	//	//	2,416			
3817	"	//	2,470			
3818	"	"	2,434		"	
3819	· ///	//:	2,180		11	
			2,116	B	——————————————————————————————————————	

Table 3.11.11 History of Each Locomotive

No.	Serv	ice	Total Running	Where	First	
No.	r n c	1	km from beg.to	as on	Service	Remarks
3821	F,P.S P	Area	31-3-95 × 10°	23-6-96	Year	
3822		T	2,379		1977	
	. //	"	2,311		//	
3823		- //	2,245		//	
3824			2,380			
3825	//	Н	1,263		//	
3826	//	T	2,280	·	//	
3827	//	Н	1,220		"	
3828	"	T	1,922		"	
3829	"	Н	1,219		"	
3830	. //	//	1,194	DB		
3831	"	"	1,217	Н	"	
3832		-			"	SC 8-11-86
3833	//	Н	1,504	Н	1980	
3834	. //	//	1,168		//	
3835	//	"	1,427	DB	"	
3836	- 11	"	1,356		11	
3837	. //	. 11	1,352		- //	
3838	//	"	1,442		11	
3839	//	' //	1,563	·	"	
3840	"	"	1,487		" "	
3841	"	. "	1,389		"	
3812	. 11	11	1,423		//	
3843	"	Ma	1,222	· · · · · · · · · · · · · · · · · · ·	"	
3844	"	KL	914	·	//	<u> </u>
3845	11	"	870		//	
3846	"	T	1,456	AZ	//	
3847	F	F	911		//	
3848	"	"	936	DB	//	
3849	//	"	948		//	
3850	//	11	665		//	
3851	P	KL	930		. //	
3852	//	T	1,755		"	
3853	//	//	2,012		: //	
3851	//	"	1,690			
3855	//	//	1,685		//	
3856	//	F	861		"	
3857	//	KL	910		//	
3858	7/	Н	1,433	:	"	
3859	//	KL	955		"	
3860	"	F	840		"	
3861	//	H	1,241		<u>''</u>	
3862	//	KL	1,034		"	
3863	//	Н	1,388			
3864	"	T	1,740	AZ	<u>''</u>	
3865	<i>"</i>	Ā	1,287		'''	
3866		$\frac{1}{\tau}$	1,870			
3867	//		2,078	*	<u>''</u>	
3868	//	"	1,469			
3869	"	H	1,144			
3870	"					SC 2-4-83
3871	"	H	1,590	AZ		VV 6-7-03
3872	","		1,372	134		
3873	"	"	1,423	Н	"	
3874		""	1,379	n	"	
3875	<i>"</i>		1,379	DB		SC12-1-94
3876	<i>"</i>	H	1,47/	DB DB		3012-1-74
3877	" "	H	1160	-	"	
3877			1,159		//	
3878	"	KL	1,192			
3880		F F	1,052			
3000	L	<u> </u>	1,358		//	

F.P.S Arca 31-3-95 × 10° 23-6-96 Year 3881 P F 1,557 1980 3882 //		Servi	ce	Total Running	Where	First Service	Remarks
3881 P F 1,557 1980 3882	No.	EPS	Area			and the second second	Remarks
1,545	3881						
3833							tripe an qui de cimiliant de minimentation de description de description de service de la secución de service
5884 // // 1,261 // 3825 // // 1,469 // 3886 // II 1,432 // 3887 // F 1,035 // 3888 // II 1,332 // 3890 // // I,213 // 3891 // II 1,331 // 3893 // II 1,331 // 3893 // II 1,333 // 3895 II II 1,495 // 3893 II II 10 // 3895 II II II II 3895 II II II II 3895 II II II II 3896 II II II II 3897 II II II II 3898 II II							
1,459							AND CONTRACTED FOR THE PROPERTY CONTRACTS CONTRACTS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE
1886							
3887			I				and the state of t
3888							
3899 F							
3890							
3891							
3892			L				
3893			L				
3891						حصدو خرجوره	
3895					<u> </u>		
1,412 F							
3897					F:		
3898					r		
3899							
3900							
3901							
3902							
1,291							
3904		//	//		DB		
3905		//	//				
3906		//	//				
3907	3905	11	"	1,277		//	
3908	3906	11	//			//	
3909	3907	11	"	1,432		"	
3910	3908	//		902	1 .	11	
3911	3909	//	F	1,431		"	
3912	3910	//	"	1,363		// .	
3913	3911	P	"	1,346		"	
3914	3912	//	K	823		//	
3915 // // 612 // 3916 // Me 842 DB // 3917 // H 1,278 // // 3918 // Ma 1,566 1982 // 3919 // - - // SC 10-5-89 3920 // F 1,373 // // 3921 // // 1,278 // // 3921 // // 1,278 // // 3922 // Z 1,607 // // 3923 // K 795 // // 3924 // F 1,289 // // 3925 // // 1,352 DB // 3926 // Ma 1,512 // // 3927 // // 1,290 DB // // 3930	3913	//	F	1,356		//	
3916	3914	"	K	718		//	
3916	3915	11	"	612		"	
3917		"	Me	842	DB	11	
3918		//	Н	1,278			
3919 // F 1,3/3 // SC 10-5-89 3920 // F 1,3/3 // // // 3921 // // I,278 // </td <td></td> <td>11</td> <td>Ma</td> <td></td> <td></td> <td>1982</td> <td></td>		11	Ma			1982	
3920 " F 1,373 " 3921 " " 1,278 " 3922 " Z 1,607 " 3923 " K 795 " 3924 " F 1,289 " 3925 " " 1,352 DB " 3926 " Ma 1,512 " 3927 " " 1,983 DB " 3928 " F 1,292 " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3931 " Ma 80 DB " 3933 " F 1,283 " 3934 " " 1,246 " 3935 " " 1,343 " 3936 " " 1,256 " 3937 " " 1,067 " 3938 " K		//	 			. //	SC 10-5-89
3921 " " 1,278 " 3922 " Z 1,607 " 3923 " K 795 " 3924 " F 1,289 " 3925 " " 1,352 DB " 3926 " Ma 1,512 " 3927 " " 1,983 DB " 3928 " F 1,292 " 3929 " " 1,290 DB " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,343 " 3935 " " 1,343 " 3936 " " 1,067 " 3938 " K 775 " 3939 " Z		//	F	1,373		11	
3922 " Z 1,607 " 3923 " K 795 " 3924 " F 1,289 " 3925 " " 1,352 DB " 3926 " Ma 1,512 " 3927 " " 1,983 DB " 3928 " F 1,292 " 3929 " " 1,290 DB " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "						"	
3923 " K 795 " 3924 " F 1,289 " 3925 " " 1,352 DB " 3926 " Ma 1,512 " 3927 " " 1,983 DB " 3928 " F 1,292 " 3929 " " 1,290 DB " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "						11	
3924 " F 1,289 " 3925 " " 1,352 DB " 3926 " Ma 1,512 " 3927 " " 1,983 DB " 3928 " F 1,292 " 3929 " " 1,290 DB " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "						//	
3925 // // Ma 1,352 DB // 3926 // Ma 1,512 // 3927 // // 1,983 DB // 3928 // F 1,292 // 3929 // // 1,290 DB // 3930 // K 747 AZ // 3931 // Ma 80 DB // 3932 // Z 1,446 // 3933 // F 1,283 // 3934 // // 1,224 // 3935 // // 1,343 // 3936 // // 1,256 // 3937 // // 1,067 // 3938 // K 775 // 3939 // Z 1,375 DB //						. 11	
3926					DB	//	
3927 " " 1,983 DB " 3928 " F 1,292 " " 3929 " " 1,290 DB " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3936 " " 1,256 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "			I				
3928					DB		
3929 " " 1,290 DB " 3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3936 " " 1,256 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "							
3930 " K 747 AZ " 3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3936 " " 1,256 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "					DB		
3931 " Ma 80 DB " 3932 " Z 1,446 " 3933 " F 1,283 " 3934 " " 1,224 " 3935 " " 1,343 " 3936 " " 1,256 " 3937 " " 1,067 " 3938 " K 775 " 3939 " Z 1,375 DB "							
3932							
3933					4.0 2.0 		
3934							
3935							
3936			<u> </u>				
3937			1				<u>-</u>
3938 " K 775 " " 3939 " Z 1,375 DB "							
3939 " Z 1,375 DB "							
					NB		
	4070			1,5/3			1

Appendix 3.11 Table 3.11.11 History of Each Locomotive

	Servi	ce	Total Running	Where	First	4 4
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Area	31-3-95 × 10°	23-6-96	Year	
3941	P	Ā	995	A	1982	
3942	· · · · · · · · · · · · · · · · · · ·	"	1,023		"	
3943	<i>"</i>	Z	1,533		"	
		A	1,103		"	
3944						
3945	//	Z	1,642		 	
3946	//	F	839		<u> </u>	
3947	//	Me	1,338			
3948	//	H	1,209		//	
3949	- //	"	1,623			
3950	//	K	564	DB	//	
3951	//	"	460		//	
3952	//	A	536		"	
3953	//	н	1,171		//	
3954	"	"	1,037		//	
3955	""	"	1,020		///	
		Ma	1,506	Ma	"	
3956				IVIQ	 	
3957		"	1,330	AZ	 "//	<u> </u>
3958	//		1,203			<u> </u>
3959	"	F	1,321	DB	"	
3960	<u>"</u>		953		//	
3961	".	"	971		"	
3962	"	Z	1,543			
3963	//	K	830		//	
3964	//	F	1,277		//	
3965	//	K	642		"	
3966	"	F	952		"	
3967	"	"	1,195	DB	 	
3968	" "	"	1,203	F		
			1,014		 	
3969		A	811		 ",	
3970	"	//			 	
3971	"	F	1,371		1 -	
3972	"	"	1,458		"	
3973	//	Z	1,541	AZ	"	
3974	//	" "	1,360			
3975	//	Me	1,461		111	
3976	"	" "	1,184	DB	//	· · · · · · · · · · · · · · · · · · ·
3977	//	"	1,403	11	//	
3978	"	"	1,388	1	"	
3979	"	"	1,415	DB	1 1/1	
3980	· //	Z	1,443		 	
3981	<i>"</i>	A	1,034		"	
			844		",	<u>, </u>
3982					 "	
3983	"		972		1	
3984	//		1,129			
3985	. //	Ma	1,244		"	
3986	"	A	900		"	
3987	11	. //	850		11	
3988	"	Me	1,454	DB	"	
3989	"	"	1,459		//	
3990	"	Ž	1,378		"	
3991	"		1,718		"	
3992	"	Me	1,036	AZ	"	
3993	"	Z	1,536	1117	 	<u></u>
	<u>"</u>	11		Z	",	
3994			1,580	<u> </u>		
3995	"		1,544		<u> </u>	
3996	11	Me	1,329	DB	//	
3997	"	"	1,103		'// :	
3998	"	F	1,402		"	
3999	"	K	433		"	
				·	· 	

Appendix 3.11 Table 3.11.11 History of Each Locomotive

N.	Servi	Service		Where as on	First Service	Remarks
No.	F.P.S	Area	km from beg.to 31-3-95 × 10°	23-6-96	Year	
3301	Š	-	-			SC 31-12-90
3302	"	-				14-8-90
3303		4				14-10-90
3304						1-4-75
						30-1-91
3305		F	2,703		1960	AND THE REAL PROPERTY AND THE PROPERTY A
3306	//		2,703		1700	14-8-90
3307	//					30-1-91
3308	//				1960	130-1-91
3309	//	F	2,848			
3310	//	Z	2,852		//	
3311	11	F	2,797		//	4
3312	"	Z	2,879		//	
3313	"	-	•	:		31-12-90
3314	//	•	-			2- 9- 92
3315	"	\overline{z}	2,537		1960	
3316	"	<u> </u>	-			14-10-90
3317		-				16-3-69
3318			-			14-8-90
3319	<i>"</i>	$\frac{1}{z}$	2,612		1961	
	//	F	2,927		"	
3320		 				30-1-91
3321			-			31-12-90
3322	//					30-1-91
3323	//				1961	30-1-71
3324	//	Z	2,872		1901	30-1-91
3325	"				ļ	
3326	//		•		<u> </u>	20-1-89
3327	//	F	2,548		1961	
3328	"	•	-		<u> </u>	31-12-90
3329	"	•	_			1 -4 -75
3330	"		-			25-9-86
3331	"	F	2,340	AZ	<u></u>	
3332	"		-		<u> </u>	SC 2-9-92
3333	"		-			14-8-90
3334	"	-	-			30-1-91
3335	//	F	2,807	AZ		
3336	"	"	2,698	F		
3337	//	 		**************************************		19-1-81
3338	//	F	1,634			
	"				†	31-12-90
3339	/////				 	30-1-91
3340		F	2,988	Tb	 	
3341	//	- <u>- </u>	1,888		 	<u></u>
3342			2,714	Z	 	
3343	//	Z	2,714			18-8-90
3344	//					14-10-90
3345	" "	<u> </u>	* ,,,,,		 	14.10.20
3346	"	F	2,682	F	<u> </u>	
3347	//	_				2-9-92
3348	"	-			.	31-12-90
3349	"		-	<u> </u>		31-12-90
3350	"	F	2,817		<u> </u>	
3351	"	•	T -		L	18-1-90
3352	"	F	2,447	A	L	
3353	"		-		Ĭ	31-12-90
3354	- "		-			9-5-89
3355	 	\overline{z}	2,801	Z	†	
3356	 ",	F	2,723	Тb	†	
	<u>"</u>		2,723	 	1	31-12-90
3357	_l	 		i	· 	30-1-91
3358 3359	"	 	2,422	 	1	
			6.762			30-1-91

Appendix 3.11 Table 3.11.11 History of Each Locomotive

No.			ice	Total Running	Where	First	Company of the Control of the Contro
3361 S	No.		N 1	km from beg.to	as on	Service	Remarks
1366	3371			$31-3-95 \times 10^{3}$	23-6-96	Year	
3363			The state of the s	<u> </u>			SC 1-4-75
3366					K	: :	
3365		THE PERSON NAMED OF PERSON ASSESSMENT ASSESS					
3366					~>		
3366		//				-4	30-1-91
3368		//	-				
3370		//	F	1,288	76		
3371			_				18-8-90
3372				•			
3373			I				30-1-90
3374							
3375			ļ <u>''</u>	1,346	Z		24.0.04
3376				1 222			25-9-86
3377					· · · · · · · · · · · · · · · · · · ·		
3378			,				
3319				******			30-1-91
3380	3379	//	F	1,285	F		
3382			K				
3383							14-1-81
3384			A	1,143	AZ		
3385				·			30-1-91
3386	L				Z		
3387				· · · · · · · · · · · · · · · · · · ·			11.1.01
3388					·		14-1-81
3389							
3390	3389	"	-	1			30-1-91
3392		"	-				
3393			K	1,062		1965	
3394				•			
3395							14-1-81
3396				1,359			
3397				 		· · · · · · · · · · · · · · · · · · ·	
3398				 		· · · · · · · · · · · · · · · · · · ·	
3399				1.132			10-1-13
3400 // F 1,159 // 3401 // - - // 30-1-91 3402 // F 1,318 // // 3403 // - - // 10-7-75 3404 // K 1,190 AZ // 3405 // A 1,155 // 3406 // F 1,272 // 3407 // - - // 18-8-90 3408 // - - // 30-1-91 3409 // F 1,128 // // 3410 // K 1,314 AZ // 3411 // F 1,201 // // 3412 // // 1,489 F 1973 3413 // A 1,546 // // 3414 // // 1,407 // // 3416 // // 1,407 // //	3399	//		-:			4-10-90
3401 // - - // 30-1-91 3402 // F 1,318 // // 3403 // - - // 10-7-75 3404 // K 1,190 AZ // 3405 // A 1,155 // // 3406 // F 1,272 // // 3407 // - - // 18-8-90 3408 // - - // 30-1-91 3409 // F 1,128 // 3410 // K 1,314 AZ // 3411 // F 1,201 // // 3412 // // 1,489 F 1973 3413 // A 1,515 // // 3415 // // 1,407 // // 3416 // // 1,430 F // 3418 // F 1,667<		//	F	1,159			
3403 " - - " 10-7-75 3404 " K 1,190 AZ " 3405 " A 1,155 " 3406 " F 1,272 " 3407 " - - " 18-8-90 3408 " - - " 30-1-91 3409 " F 1,128 " " 3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,407 " 3415 " " 1,430 F " 3417 " - - " 1-18-81 3418 " F 1,667 " " 3419 " " 1,613 Tb "						//	30-1-91
3404 " K 1,190 AZ " 3405 " A 1,155 " 3406 " F 1,272 " 3407 " - " 18-8-90 3408 " - " 30-1-91 3409 " F 1,128 " 3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,407 " 3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "			F	1,318			
3405 " A 1,155 " 3406 " F 1,272 " 3407 " - - " 18-8-90 3408 " - - " 30-1-91 3409 " F 1,128 " 3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,407 " 3415 " " 1,407 " 3416 " " 1,430 F " 3418 " F 1,667 " 3419 " " 1,613 Tb "			Ŧ,				10-7-75
3406 // F 1,272 // 18-8-90 3407 // - - // 18-8-90 3408 // - - // 30-1-91 3409 // F 1,128 // // 3410 // K 1,314 AZ // 3411 // F 1,201 // // 3412 // // 1,489 F 1973 3413 // A 1,551 // 3414 // // 1,407 // 3415 // // 1,407 // 3416 // // 1,430 F // 3418 // F 1,667 // // 3419 // // 1,613 Tb // //					AZ		
3407 " - - " 18-8-90 3408 " - - " 30-1-91 3409 " F 1,128 " 3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,407 " 3415 " " 1,407 " 3416 " " 1,430 F " 3418 " F 1,667 " " 3419 " " 1,613 Tb "							
3408 " - - " 30-1-91 3409 " F 1,128 " " 3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,407 " 3415 " " 1,407 " 3416 " " 1,430 F " 3417 " - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "							18.8.90
3409 " F 1,128 " 3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,467 " 3415 " " 1,407 " 3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "				 			
3410 " K 1,314 AZ " 3411 " F 1,201 " 3412 " " 1,489 F 1973 3413 " A 1,551 " 3414 " " 1,546 " 3415 " " 1,407 " 3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "	3409						
3411 // F 1,201 // 3412 // // 1,489 F 1973 3413 // A 1,551 // 3414 // // 1,546 // 3415 // // 1,407 // 3416 // // 1,430 F // 3417 // - - // 1-11-81 3418 // F 1,667 // 3419 // // // 1,613 Tb //		"	K		AZ		
3413 " A 1,551 " 3414 " " 1,546 " 3415 " " 1,407 " 3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "				1,201		11	
3414 " " 1,546 " 3415 " " 1,407 " 3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "					F		
3415 " " 1,407 " 3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "			····				
3416 " " 1,430 F " 3417 " - - " 1-11-81 3418 " F 1,667 " 3419 " " 1,613 Tb "							
3417							
3418 // F 1,667 // // // 3419 // // // // 1,613 Tb //				1,430	r		1 17 01
3419 // // I,613 Tb //				1 667			1-11-91
					 }		······································
	3420			1,517			

	Service		Total Running	Where	First	
No.		1	km from beg to	as on	Service	Remarks
	F.P.S	Area	$31-3-95 \times 10^{3}$	23-6-96	Year	ì
3421	S	F	1,316	F	1973	
3422		"	1,345	//	//	
3423	"	"	1,628		//	
3424	. //	"	1,356		1/	
3425		 	1,295	ĀZ		
3425			1,720	inches survivos - compression.	"	
3427	<u>"</u>		1,609			r yang kanangan dan dan dan dan dan dan dan dan dan d
		F F		, , , , , , , , , , , , , , , , , , , 		
3428	//		1,696			Nama kan 1800 Maria (kan kan kan 1800 Maria (kan
3429	//	"	1,531		1	·
3430	//	"	992		1976	
3431	//	"	626	F	//	
3432	//		1,132			
3433	//	-	-		"	SC21-4-91
3434	//	A	901		//	<u> </u>
3435	//	F	925		//	1
3436	//	"	802		//	
3437	//	"	913		"	
3438	//	"	829	F	"	:
3439	//	"	801	//	"	
3440	"	"	940	//	//	
3441	<i></i>	 	1,072		"	-
3442	'' //	 	999	F	"	
3443		 ;,	871			
3444	" "	 	859	F	<i>"</i>	
3444	ļ <u>''</u>	 ″		1	 -″	
						
		<u> </u>	 		ļ.,	
				:		
		<u></u>	<u> </u>			
3501	S	F	1,732		1956	
3502	//	-			- //	SC30-1-91
3503	"	-	-		"	31-12-90
3504	"	F	1,773	AZ	"	
3505	//	"	1,729	F	"	
3506	"	-			//	2-9-92
3507	"	F	1,132	AZ :	" "	
3508	<i>"</i>	"	1,255	F		
3509	"		1,232		//	31-12-90
3510	"		 		//	31-12-90
3511	"	F	1,255	ΑZ	"	13
3512	" "	T. T.	1,23	4 14.4	" "	31-12-90
3512	 "		 		—— <u>"</u> ,	31-12-90
		 -	 			5-11-84
3514	//	F				3-11-04
3515			1,771		//	
3516	"	//	1,757	F	//	
3517	"	"	1,716		"	
3518	- //	//	1,778	AZ	//	
3519	"				//	5-11-84
3520	//	-	-		"	14-10-90
3521	11	-			"	31-10-90
3522	"	F	1,767	AZ	- //	
3523	11	•		1 1	//	14-10-90
3524	"	-	 		//	14-10-90
3525	<i>"</i>		1		"	31-12-90
3526	<i>'</i> ''				"	1-4-85
3527	<u>"</u>	 	 		"	31-12-90
3528	<i>",</i>	F	1,708	F	<i>"</i>	\ `````
				<u> </u>	<i>"</i>	<u> </u>
3529	"		1,490	F		
3530	"	"	1,831	r	L	1

Appendix 3.11 Table 3.11.11 History of Each Locomotive

	Servi	ce	Total Running	Where	First	_
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Area	$31-3-95 \times 10^{3}$	23-6-96	Year	
3531	S	F	1,824		1956	
3532	//				//	SC30-1-91
3533	//	-	-		//	14-10-90
3534	//	F	1,533		1960	
3535	//	"	1,418		//	
3536		Me	1,706		11	
3537	····		<u> </u>		//	30-1-91
3538	 ",	F	1,652		· //	30-1-71
3539			1,052		<i>"</i>	30-1-91
		*	-			14-10-90
3540	<i>"</i> ,	-	1		"	14-10-90
3541		F	1,633		//	:
3542	11	-	-		//	1-11-81
3543	"	Me	1,417		"	
3544	//	"	1,524	AZ	: //	
3545	//	F	1,718		"	
3546	//	"	1,617		"	
3547	"	-	-	····	//	30-1-91
3548		F	1,470		//	
JJ 10	···	 	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
						
5983	S	 	1,881	Me	1960	
3701		Me		Me Z		
3702	//	Z	2,102	·	//	
3703	//	F	2,107		"	
3704	"		2,092		//	
3705	. //	Α	1,685		11	
3706	//	-	-		"	5-11-81
3707	11				//	27-1-90
3708	//				//	17-8-91
3709	//	Me	1,930	Me	<i>ii</i>	
3710	<i>"</i>	F	1,962	1410	<u>'</u> ;	
				A 7		
3711		K	1,804	AZ	//	661 4 46
3712	1 1// 1	<u> </u>			//	SC1-4-75
3713	1/				"	6-8-83
3714	//				//	17-8-91
3715	"	-	•	•	//	4-4-75
3716	: 11	F	1,823	:	//	
3717		Me	1,446	Me	"	
3718	"/	Z	2,062		. //	
3719	"		2,082		//	
3720	<i>"</i>	 	2,002		"	1-3-82
3721		T	2,171		",	1 - J - G L
3722				A '7		
		Me	1,911	AZ		·
3723	//	K	1,739		//	1
3724	"				. //	1-11-81
3725	//	K	2,069		"	
3726	"	Z	1,921	Z	"	
3727	' //	F	1,929		//	
3728	//	A	1,711	:	" //	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3729	//	Me	2,095		//	
3730	"	Ā	1,753	ĀZ	11	
3731	//	-			//	17-8-91
3732	<i>"</i>	F	1,729		 "	
3733			2,185			·
		<i>"</i>				
3734			1,954			
3735	//	A	1,911		//	<u> </u>
3736	//	-	-		//	1-11-81
3737	//	•	•		//	14-10-90
		T	-1		//	9-5-89
3738	"	•			//	12-7-02
	"		•	·	—— <u>"</u> ,	28-6-83

No.	
3741 S Me	lemarks
3742	
3743	
14-10-90	20
3745	39
3746	
3747	agampa yangka Sapa madali Milila di Mili
3748	
3748	
13749	
11-18-83 1750 17	
11-8-83	
3752	
3753	
3753	
3755	
3756	
3757	
3758	
3758	
3760	
3761	<u> </u>
3762	
3762	
3763	
3764	
3765 " " 1,595 3766 " - - 3767 " T 1,328 AZ 3768 " F 1,573 " 3769 " T 1,967 - 3770 " F 1,343 - 3771 " Me 1,818 1962 3771 " Me 1,818 1962 3771 " - - " 3772 " - - " 3773 " Z 1,718 " 3774 " Me 1,837 AZ " 3775 " - - " 14-11-89 3776 " Me 1,947 " - 3779 " - - " 27-83 3780 " - - " 27-83 3781 " <td></td>	
3766	
3767 " T 1,328 AZ 3768 " F 1,573 " 3769 " T 1,967 " 3770 " F 1,343 " 3771 " Me 1,818 1962 3771 " C - " SC9-5-89 3773 " Z 1,778 " " 3774 " Me 1,837 AZ " 14-11-89 3776 " Me 1,947 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-11-89 " 14-1	
3768 " F 1,573 " 3769 " T 1,967 " 3770 " F 1,343 " 3771 " Me 1,818 1962 3771 " - - " SC9-5-89 3773 " Z 1,718 " " SC9-5-89 3773 " Z 1,718 " " SC9-5-89 3774 " Me 1,837 AZ " 14-11-89 3776 " Me 1,947 " 14-11-89 3777 " - - " 27-1-90 3778 " - - " 27-1-90 3778 " - - " 27-83 3780 " - - " 27-83 3781 " Z 1,971 " 27-83 3783 "	
3769 " T 1,967 3770 " F 1,343 3771 " Me 1,818 1962 3771 " - - " SC9-5-89 3773 " Z 1,778 " " SC9-5-89 3773 " Z 1,778 " " 14-11-89 3774 " Me 1,837 AZ " 14-11-89 3775 " - - " 14-11-89 3776 " Me 1,947 " - 3778 " - - " 27-1-90 3778 " - - " 27-83 3780 " - - " 27-83 3781 " Z 1,971 " - 3783 " F 1,809 " - 3784 " - - <td></td>	
3770	
3771 // Me 1,818 1962 3772 // - - // SC9-5-89 3773 // Z 1,778 // - 3774 // Me 1,837 AZ // 3775 // - - // 14-11-89 3776 // Me 1,947 // 14-11-89 3777 // - - // 27-1-90 3778 // - - // 27-83 3779 // - - // 27-83 3780 // - - // 27-83 3781 // Z 1,809 // // 3783 // Me 1,908 // // 3784 // Ma 1,746 AZ // 3785 // - - // 2-7-83 3788 // <td></td>	
3772 " - - " SC9-5-89 3773 " Z 1,778 " " 3774 " Me 1,837 AZ " 3775 " - - " 14-11-89 3776 " Me 1,947 " - 3777 " - - " 27-1-90 3778 " - - " 27-83 3779 " - - " 27-83 3780 " - - " 27-83 3781 " Z 1,971 " " 3782 " F 1,809 " " 3783 " Me 1,908 " " 3784 " Ma 1,746 AZ " " 2-7-83 3786 " - - " 10-3-82 " " <td></td>	
3773 " Z 1,778 " 3774 " Me 1,837 AZ " 3775 " - - " 14-11-89 3776 " Me 1,947 " 27-1-90 3777 " - - " 27-83 3778 " - - " 27-83 3779 " - - " 9-5-89 3780 " - - " 27-83 3781 " Z 1,971 " " 3782 " F 1,809 " " 3783 " Me 1,908 " " 3784 " Ma 1,746 AZ " 2-7-83 3786 " - - " 10-3-82 3789 " - - " 11-1-89 3790 " <	
3774 // Mc 1,837 AZ // 3775 // - - // 14-11-89 3776 // Me 1,947 // // 3777 // - - // 27-1-90 3778 // - - // 27-83 3779 // - - // 27-83 3780 // - - // 27-83 3781 // Z 1,971 // // 27-83 3781 // Z 1,971 // // // 27-83 3782 // F 1,809 // // // // 27-83 3784 // Ma 1,746 AZ // // 27-83 3785 // - - // 10-3-82 // // 21-7-83 3788 // - - <td></td>	
3775 // - - // 14-11-89 3776 // Me 1,947 // - 3777 // - - // 27-1-90 3778 // - - // 2-7-83 3779 // - - // 2-7-83 3780 // - - // 2-7-83 3781 // Z 1,971 // - 3782 // F 1,809 // - 3783 // Me 1,908 // - 3784 // Ma 1,746 AZ // 2-7-83 3785 // - - // 10-3-82 - 3788 // - - // 10-3-82 3789 // - - // 13-11-89 3790 // Z 1,743 // //	
3776 // Me 1,947 // 3777 // - - // 27-1-90 3778 // - - // 2-7-83 3779 // - - // 9-5-89 3780 // - - // 2-7-83 3781 // Z 1,971 // 1,92-7-83 3782 // F 1,809 // 3783 // Me 1,908 // 3784 // Ma 1,746 AZ 3785 // - - 3786 // - - 3788 // - -	
3777 " - - " 27-1-90 3778 " - - " 2-7-83 3779 " - - " 9-5-89 3780 " - - " 2-7-83 3781 " Z 1,971 " " 3782 " F 1,809 " " 3783 " Me 1,908 " " 3784 " Ma 1,746 AZ " 3785 " - - " 10-3-82 3786 " - - " 10-3-82 3788 " - - " 21-7-83 3789 " - - " 13-11-89 3790 " Z 1,743 " " 3793 " T 1,956 AZ " 3795 " - <td></td>	
3778 " - - " 2-7-83 3779 " - - " 9-5-89 3780 " - - " 2-7-83 3781 " Z 1,971 " " 3782 " F 1,809 " " 3783 " Me 1,908 " " 3784 " Ma 1,746 AZ " 2-7-83 3785 " - - " 10-3-82 " 2-7-83 3786 " - - " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 " 10-3-82 "	
3779 " - - " 9-5-89 3780 " - - " 2-7-83 3781 " Z 1,971 " 3782 " F 1,809 " 3783 " Me 1,908 " 3784 " Ma 1,746 AZ " 3785 " - - " 2-7-83 3786 " - - " 10-3-82 3787 " F 1,758 " 3788 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 "<	
3780 " - - " 2-7-83 3781 " Z 1,971 " " 3782 " F 1,809 " " 3783 " Me 1,908 " " 3784 " Ma 1,746 AZ " 2-7-83 3785 " - - " 10-3-82 3786 " - - " 10-3-82 3787 " F 1,758 " " 21-7-83 3788 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3796 " Z 896 "	
3780 " - - 2-7-83 3781 " Z 1,971 " 3782 " F 1,809 " 3783 " Me 1,908 " 3784 " Ma 1,746 AZ " 3785 " - - " 10-3-82 3786 " - - " 10-3-82 3788 " - - " 21-7-83 3789 " - - " 13-11-89 3790 " Z 1,741 Z " 3791 " F 1,845 " " 3792 " Z 1,743 " " 3793 " T 1,956 AZ " 3795 " - - " 1-4-75 3796 " Z 896 "	
3781 " Z 1,971 " 3782 " F 1,809 " 3783 " Mc 1,908 " 3784 " Ma 1,746 AZ " 3785 " - - " 2-7-83 3786 " - - " 10-3-82 3787 " F 1,758 " " 21-7-83 3788 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3796 " Z 896 "	
3782 " F 1,809 " 3783 " Mc 1,908 " 3784 " Ma 1,746 AZ " 3785 " - - " 2-7-83 3786 " - - " 10-3-82 3787 " F 1,758 " 21-7-83 3788 " - - " 21-7-83 3789 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3795 " - - " 1-4-75 3796 " Z 896 " "	
3783 // Mc 1,908 // 3784 // Ma 1,746 AZ // 3785 // - - // 2-7-83 3786 // - - // 10-3-82 3787 // F 1,758 // 21-7-83 3788 // - - // 21-7-83 3789 // - - // 13-11-89 3790 // Z 1,781 Z // 3791 // F 1,845 // 3792 // Z 1,743 // 3793 // T 1,956 AZ // 3794 // Z 1,802 // 3796 // Z 896 //	
3784 // Ma 1,746 AZ // 3785 // - - // 2-7-83 3786 // - - // 10-3-82 3787 // F 1,758 // // 3788 // - - // 21-7-83 3789 // - - // 13-11-89 3790 // Z 1,781 Z // 3791 // F 1,845 // 3792 // Z 1,743 // 3793 // T 1,956 AZ // 3794 // Z 1,802 // 3795 // - - // 1-4-75 3796 // Z 896 //	
3785 // - - // 2-7-83 3786 // - - // 10-3-82 3787 // F 1,758 // 21-7-83 3788 // - - // 21-7-83 3789 // - - // 13-11-89 3790 // Z 1,781 Z // 3791 // F 1,845 // // 3792 // Z 1,743 // // 3793 // T 1,956 AZ // 3794 // Z 1,802 // // 3795 // Z 896 // // 1-4-75	
3786 " - - " 10-3-82 3787 " F 1,758 " " 3788 " - - " 21-7-83 3789 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3787 " F 1,758 " 3788 " - - " 21-7-83 3789 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3788 " - - " 21-7-83 3789 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3789 " - - " 13-11-89 3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3790 " Z 1,781 Z " 3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3791 " F 1,845 " 3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3792 " Z 1,743 " 3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3793 " T 1,956 AZ " 3794 " Z 1,802 " 3795 " - - " 1-4-75 3796 " Z 896 "	
3794 " Z 1,802 "	
3795 " - " 1-4-75 3796 " Z 896 "	
3796 " Z 896 "	
3770 " " " " " " " " " " " " " " " " " "	
3797 // F 1,704 //	

L	Serv	ice	Total Running	Where	First	_
No.	F.P.S Area		km from beg to 31-3-95 × 103	as on 23-6-96	Service Year	Remarks
3551	S S	T	457	AZ	I CAL	
3552		Ma	448	AZ.		
3553		T	479	AZ		
3554		 	465	<u> </u>		
3555	 //	 "	589			
3556				//		
3557	<i>"</i>	K T	532	A 77		
3558	<u>"</u>	 	410	AZ		
3559		A	500			
		Wardan	521			For training
3560	//	T	512	A PT	· · · · · · · · · · · · · · · · · · ·	
3561	//	//	528	AZ		
3562		"	333	"		
3563	//		439	//		
3564	//	Ma	450	//		
3565	//	//	604	"		
3566		K	495			
3567	"	T	567	//		
3568	//	"	658			
3569	//	"	426			
3570	//	"	340	AZ		
3571	- //	"	580			
3572	. //	K	431			
3573	11	Ma	273	AZ		
3574	//	Т	526	"		
3575	"	11	333	//		
3576	11	Ma	522	. //		
3577	11	T	513	//		
3578	"	•	•			SC15-5-80
3579	11	T	465	AZ		
3580	11	Ma	282	"		
4501	S	Y	350			
4502	//	"	326	AZ		
4503	//	"	146			
4504	11	"	99			
4505	· //	"	133			
4506	//	"	90			
4507	: //	"	299		:	
4508	11	"	187	AZ.		
4509	. //	"	370	"		<u> </u>
4510	"	"	198		<u>-</u>	· · · · · · · · · · · · · · · · · · ·
4511	//	"	228			
4512			-			SC27-7-80
4513	//	T	300			
4514			302			
4515	"	"	210			
1516	"	"	250			
4517			263			
4518	" "	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	276			
4519	//	"	304			
4520	"	,,	253			
4521			299	AZ		
4522	'''		303	40		
4523		",	265			
4524		<u>"</u>	306	AZ		
4525	- //	"	251	AC		
4526	"//				:	25 2 00
4520	·····	ļ				25-2-89
		 	<u></u>			
			<u> </u>			L

Appendix 3.11 Table 3.11.11 History of Each Locomotive

	Servi	ce	Total Running	Where	First	Remarks
No.	F.P.S	Area	km from beg.to 31-3-95 × 103	as on 23-6-96	Service Year	
4301	S		1 - 1		1958	SC7-9-91
4302	"	-	-		"	5-8-90
4303	"	_	•		"	25-9-79
4304	"	-	-		"	12-4-90
4305	"	-	-		"	28-4-91
4306	//	-	-		"	28-4-91
4307	//	•	-		"	7-9-91
4308	//	_				5-8-90
1309	"	=			//	5-8-90
4310	11,	Me	570	<u></u>		
4311	//	//	681		//	
4312	- //	"	634	AZ		12.1.06
4313	- //					7-1-96
4314	//	F	510		"	7-1-96
4315	//	-			" "	7-1-96
4316	"	-			"	7-1-96
4317	//	-			<i>"</i>	5-8-90
4318	//	F	368		<i>"</i>	3-0-70
4319	"			· · · · · · · · · · · · · · · · · · ·	<u>"</u>	5-8-90
4320					" "	10-10-85
4321	//				 	17-1-90
4322	<u>"</u>	Me	351		"	1,-4-70
4323	<i>''</i>	ivie	- 331		- "	7-9-91
4324 4325	 ", -					17-4-90
4325		<u> </u>			"	8-6-94
4327	""	Me	508	AZ	"	
4327	""	//	664	1127	"	· ·
4329	 	Z	471		"	
4330					"	5-8-90
4331	"	_	-		1959	SC5-8-90
4332	"				11	15-10-85
4333	"		-		"	5-8-90
4334	"	Z	652		"	
4335	//	-	-		//	8-6-94
4336	"	•	-		//	7-1-96
4337	"	AG	715	: 1	"	
4338	"	-	-		"	8-6-94
4339	"		-		"	8-11-93
4340	"	-	•		"	7-9-91
4341	"	AG	640			100 5 60
4342	"			-	"	29-5-80
4343	//	AG	645			120 1 01
4344	//	ļ .				28-4-91
4345	<i>"</i>	-	_		"	5-8-90 7-1-96
4346	"	ļ		17		1-1-70
4347	"	AG	533	AZ		
4348	"	Me	464		 "	28-10-79
4349			_ 		 "	2-2-83
4350		AG	549		 	L-L-U3
4351	<i>"</i>	AG //	674		 	
4352	<u>",</u>	<u>"-</u>	- 0/4		"	5-8-90
4353 4354			-		"	15-10-85
4354					 "	31-3-87
4356	" "				"	15-10-85
4357	"	AG	471	AZ	1963	
4358		$\frac{\lambda C}{Z}$	533	$\frac{-i\alpha}{Z}$	//	
4359	 ;;				//	25-10-80
4360	 		-		///	7-4-90
1 7,000		1				

Appendix 3.11 Table 3.11.11 History of Each Locomotive

	Servi	ce	Total Running	Where	First	
No.			km from beg.to	as on	Service	Remarks
	F.P.S	Arca	$31-3-95 \times 10^3$	23-6-96	Year	
4361	S	-	-		1963	
4362	"	AG	477	AZ	//	SC5-8-90
4363	- //	•	-		"	
4364	//	-	-		"	12-6-94
4365	//	Me	658	*.	"	12-5-80
4366	//	•	-		//	
4367	//	•	-		"	12-6-94
4368	"		-	:	"	8-5-80
4369	//	-	-		//	7-1-96
4370	//	•	-		"	7-1-96
4371	"	AG	408		11	
4372	"	-	-		"	11-2-80
4373	//	-	-		"	17-4-90
4374	//		-	:	"	5-8-90
4375	//	Me	570	AZ	"	
4376	"	11	498		"	
4377	"	-	•		"	17-9-90
4378	//	•	•		"	14-6-94
4379	//	-	-		"	28-11-83
4380	"	-	-		"	27-3-83
4381	//	-	-		: //	17-9-79
4382	11	-	•		-1/	28-4-91
4383	"	*	•		"	28-4-91
4384	//	-	-		"	5-8-90
4385	"	=	-		"	7-1-96
4386	"	AG	494		"	
4387	"	-	-		"	7-1-96
4388	//	-	-		"	5-8-90
4389	"	Me	527	AZ	"	
4390	"	AG	419		"	
4391	"		-		"	SC7-1-96
4392	"	Z	503	······	"	1
4393	- //	-	-		. //	9-8-79
į į		1 1 1 1				
	 	ļ				
					<u> </u>	

Remarks (Explanation of Abbrebiation)

Service F.P.S. : Service Area / Where : F-Freight, P-Passenger, S-Shunting

A-Aswan, AG-Abu Ghatis, AZ-Abu Zabal, D237 BD-Bulak Dakroor, DB-Diesel Bulak, F-Farz H-Hadra, K-Kabary, KL-Kopri Lamon, Ma-Mansura Me-Menya, T-Tanta, Tb-Tebien, Z-Zagazig

Appendix 3.11

Table 3.11.12 Holding Number of DELs, Turbo Train and Metro EC

Туре	Serries Number	1995	2002	2007	2012
АА22Т	3001/3200	197	177	73	48
AA22T	3201/3221	20	20	20	0
JT22MC	3222/3240	19	19	19	0
AA22T	3241/3270	29	0	. 0	0
AA22T	3271/3299	29	29	0	0
JT22MC	3445/3470	26	26	26	0
Sub-Total	(2475HP)	320	271	138	48
		and the second s			
G22WAC	3601/3661	61	61	59	0
G22W	3801/3832	31	31	0	0
G22WAC	3833/3999	164	164	0	0
Sub-Total	(1650HP)	256	256	59	0
G22W	3301/3411	0	uj o	0	0
G22W	3412/3444	31	0	0	0
G22W	3501/3548	0	0	0	0
G22W	3701/3797	0	0	0	. 0
Sub-Total	(Old American)	31	0	Ò	0
•					:
Hungary	3551/3580	29	0	o	0
German	4501/4526	24	o	0	0
Hungary	4301/4393	0	0	. 0	0
Sub-Total		53	0	0	0
					
Turbo	Train Set	3	3	0	0
Metro EC	No.1	390	390	390	390
	No.2	24	90	90	90

Appendix 3,11

Table 3.11.13 Holding Number of PCs

				100		
Type		Series No.	1995	2002	2007	2012
		11001/11050	0	0	0	0
	German MBB	11051/11110	60	60	60	60
L	Spain	11111/11141	31	31	31	31
CB	Spain	11340/11348	7	7	7	7
	German	11328/11339	12	12	12	12
lst	Hungarian	11301/11327	2	0	0	0
	German	11401/11422	21	21	21	0
:	France	11423/11464	41	41	41	41
	Spain	11350/11392	43	43	43	43
	SEMAF	11465/11484	20	20	20	20
	SEMAF(Spain)	11485/11494	10	10	10	10
2nd	German	11601/11677	65	65	65	0
:	France	11678/11747	68	68	68	68
	Spain	11201/11250	50	50	50	50
	SEMAF	11748/11974	227	227	227	227
Buffet	German	11501/11511	11	ī i	11	0
	France	11512/11539	28	28	28	28
	SEMAF	11540/11566	27	27	27	27
	Total AC Car		723	721	721	624
	r German	14154/14217	72	72	72	72
	SEMAF	17001/17042	41	41	41	41
2nd	SEMAF	10611/10889	596	596	575	507
		13205/15520				
	Rumania	112901/112965	83	83	83	83
\$.		112047/112423	<u> </u>			
]	(Suburban)	114000/114075	141	141	141	141
		112801/112875				
	German	10521/10605	15	15	15	0
3rd	SEMAF	12231/13347	419	419	419	406
	Rumania	112001/112430	276	276	276	276
[· i	Rumania	112601/112769	432	432	432	432
[· · ·		113002/113285				
	German	12511/12621	21	21	21	0
lst	(Suburban)	1601/7695	199	199	199	199
		7802/7925				
	(with Driver's Cab)	7501/7560	45	45	45	45
	Luggage	14032/14050	209	209	209	209
		14430/14645				
	Total Normal	Car	2,549	2,549	2,528	2.411

Appendix 3.11 Table 3.11.14 Holding Number of FCs

Туре	Series No.	1995	2002	2007	2012
Ωpen					
Iron	75002/76519	842	842	627	462
Coal (High Side)	77001/77450	409	409	409	409
Normal	51000/57000/59400	714	714	621	621
Phosphate	59501/59790	290	290	290	290
Phosphate (Amsted)	22001/22150	360	360	360	360
Sugar Cane	32500/32799	400	400	400	400
Tipper (High Dam)	92001/92141	88	88	0	. 0
Hopper (Pebbles)	90000/92820				
,	25001/25200	991	976	916	890
Hopper (Iron)	90511/90700	39	39	0	0
4 wheels	19511/19525	0	0	0	0
Coal	23001/23250	249	249	249	249
Total	23007,23200	4,382	4,367	3,872	3,681
<u></u>		1,30E	4,307	3,012	3,001)
Flat	40800/40900/41122	r			
Track Use		509	509	509	414
	41411/46001/46050	309	309	309	
Various Materials	40000/41000/42000	ا محما	302	627	. 404
	45000/72000/72100	762	706	536	484
· · · · · · · · · · · · · · · · · · ·	17686/17885				
Renew	17651/17685	0	0	0	. 0
Container	43001/43100	100	100	100	100
	72101/72559	459	459	459	459
Total		1,830	1,774	1,604	1,457
Covered					
Italian	93000/93499	447	447	447	44
Hopper (Wheat)	93500/93849	342	342	342	342
SEMAF	94001/94745	729	729	729	729
Sheet-Iron	20001/20140	185	185	185	185
Hopper (Grain)	21001/21134	133	133	133	133
Animal	14800/14999	199	199	199	199
Closed	67000/68000				
Ciosca	69000/70531	1,394	1,394	1,297	673
Vegetable	70407/70513	5	5	0	0
Closed	30021/30282	 			
Closed	68002/68050		0	0	: 0
Lateral Caldy	14557/14705	 		0	<u>ŏ</u>
Animal (old)	39701			ŏ	<u>_</u>
Closed	24000/24373	221	221	221	221
Phosphate	24000/24373			3,553	2,526
Total		3,662	3,656	3,333	2,320]
Brake Van		1		ooT	
Brake Van	18000	90	90	90	86
Brake Van	118000	227	226	220	220
Brake Van	29001/29025	25	25	25	25
Brake Van	29501/29525	25	25	25	25
Other Type		0	0	0	0
Total		367	366	360	356
Tank Car					
Various Types	85000/86000/87000				
	89000/95000/96000	1,948	1,948	1,807	1,698
	87000/98000/28000				
Total		1,948	1,948	1,807	1,698
Crane Car					
German	<u> </u>	5	5	5	5
Normal	19101/19105	15	12	10	9
Finland	19000	16	16	16	16
	19701/19716	6	6	6	6
German	19801/19805	3	- 5	3	
Gum Tyre	17001/17007	47	45	42	
Total		1 4/1	471	44	41

Appendix 3, 11

Table 3.11.15 Number of Rolling Stock to be Procured

1. DEL and PC

(1) Without

	19	1995		1996 - 2002		2003 - 2007			2008 - 2012		
	A	В	A	В	Ċ	A	В	C	A	В	C
DEL											
2475 HP	320	320	271	302	31	169	333	164	243	397	154
1650 HP	256	256	256	298	42	101	347	246	288	398	110
PC				•							
AC	710	710	710	925	215	925	1,073	148	987	1,230	213
Normal	2,513	2,513	2,513	3,166	653	3,145	3,690	545	3,609	4,246	637

(2) With Case I 10% Speed Up of Passenger Train

DEL											
2475 HP	320	271	271	274	3	141	301	160	211	361	150
1650 HP	256	232	256	269	13	72	313	241	254	360	106
PC				:		:		:			
AC	710	710	710	818	108	818	932	114	846	1,070	224
Normal	2,513	2,513	2,513	2,826	313	2,805	3,328	523	3,247	3,835	588

(3) With Case II 10% Speed Up of Passenger Train

DEL								1			
2475 HP	320	271	271	288	17	155	316	161	226	379	153
1650 HP	256	232	256	298	42	101	346	245	287	398	111
PC											
AC	710	710	710	907	197	907	1,030	123	944	1,181	237
Normal	2,513	2,5:3	2,513	3,098	585	3,077	3,633	556	3,552	4,181	629

2. FC

Open	4,832	4,832	4,367	4,367	-	3,782	6,000	2,218	5,809	9,000	3,191
Others	7,854	7,850	7,788	6,876	•	7,366	5,951		6,078	5,047	-
Total	12,686	12,682	12,155	11,243	•	11,148	11,951	2,218	11,887	14,047	3,191

			· · · · · · · · · · · · · · · · · · ·	and the second s
				
Brake	<u> </u>	3,280	-	<u> </u>

3. Metro

No.1	(130)	(130)	(130)	(132)	(2)	(132)	(175)	(43)	(175)	(204)	(29)
Line	390	390	390	396	6	396	525	129	525	612	87
No.2	(4)	 '	(15)	(24)	(9)	(24)	(35)	(11)	(35)	(42)	(7)
Line	24		90	144	54	. 144	210	66	210	252	42

A: Existing Number

B: Necessary Number

C: Number of new procurement

(): Number of Unit

Appendix 3.11

Table 3.11.16 Given Cost of Passenger and Freight Cars (10³LE)

		Group	Kind	Given	Cost	1995	Mean
		1	1st AC	2,850.0	(1994)	3,021	2,196
			2nd AC	850.0	(1990)	1,371	
	New	2	2nd Buffet AC	1,450.0	(1994)	1,537	
	Procurement	3	2nd Buffet Normal	388.0	(1991)	531	
			2nd Normal	96.0	(1982)	560	556
PC			3rd Normal	98.9	(1982)	577	
		4	Sleep AC	(mean)			
	Remodelled		Club AC	1,716.659		1,820	
	(only carbody	L	Buffet AC		(1994)		1,849
:	is reused)	5	1st AC	(mean)			
			2nd AC	1,722.115	(1994)	1,878	
		Low Side)	205.8	(1992)	251	
		Box		225.8	(1992)	275	
	New	Flat		197.0	(1988)	472	:
FC	Procurement	Tank		147.0	(1985)	594	
		Brake Va	ın				
			Auto Coupler	165.0	(1988)	311	-
			Screw	135.0	(1989)	254	
	Brake fitting t	o no brak	e FC	31.0	(1994)	33	

Inflation rate:	From	To	Rate
	1982	1995	5.834
•	1985	1995	4.039
	1988	1995	2.398
	1989	1995	1.884
	1990	1995	1.613
	1991	1995	1.368
	1992	1995	1.220
	1994	1995	1.060
	1995	2002	1.497
	1995	2007	1.956
	1995	2012	2.556

Appendix 3, 11

Table 3.11.17 Investment Plan of Rolling Stock and Maintenance

1. DEL and PC

(1)	Without	(1000 LE)

		1996 - 200	2		2003 - 2007			2008 - 2012		
	Unit Cost	Number	Total	Unit Cost	Number	Total	Unit Cost	Number	Total	
DEL										
2475 HP	11,350	31	351,850	18,705	164	3,067,620	27,960	154	4,305,840	
1650 HP	7,610	42	319,620	12,460	246	3,065,160	18,530	110	2,038,300	
PC			-							
AC	2,710	215	582,650	3,750	148	555,000	4,900	243	1,190,700	
Normal	700	653	457,100	970	545	528,650	1,260	637	802,620	
Total			1,711,220			7,216,430			8,337,460	

(2) With Case I 10% Speed Up of Passenger Train

								L	
DEL									
2475 HP	11,350	3	34,050	18,705	160	2,992,800	27,960	150	4,194,000
1650 HP	7,610	- 13	98,930	12,460	241	3,002,860	18,530	106	1,964,180
PC						-	:		
AC	2,710	108	292,680	3,750	114	427,500	4,900	224	1,097,600
Normal	700	313	219,100	970	523	507,310	1,260	588	740,880
Total			644,760			6,930,470			7,996,660

(3) With Case II 10% Speed Up of Passenger Train

DEL			÷						
2475 HP	11,350	17	192,950	18,705	161	3,011,505	27,960	. 153	4,277,880
1650 HP	7,610	42	319,620	12,460	245	3,052,700	18,530	111	2,056,830
PC									
AC ·	2,710	197	533,870	3,750	123	461,250	4,900	237	1,161,300
Normal	700	585	409,500	970	556	539,320	1,260	629	792,540
Total			1,455,940	970		7,064,775		1	8,288,550

2. FC

Open	313	-	•	433	2,218	960,394	566	3,191	1,806,106
Others									
Total						960,394			1,806,106
				_					
Brake	41	3,280	134,480	57	-	•	71	-	

3. Metro

No.1 Line No.2	22,100		44,200	30,560	43	1,314,080		: :	1,157,970
Line	52,690	9	474,210	72,860	111	801,460	95,200	7	666,400
Total			518,410			2,115,540			1,824,370

4. Rolling Stock Maintenance

	1995/96	1996/97	1997/98	1998/99	1999/2000	2000/01	2001/02
Overhead Crane			4,200	4,200	4,400	4,700	
Wheel Lathe		7,500					10,000
Total		7,500	4,200	4,200	4,400	4,700	10,000

Appendix 3.11

Table 3.11.18 Regular Maintenance for Main Line Locomotives

Monthly 2 months 6 months 1 year ½m 5,000 km 10,000 km 180,000 180,000 14~16 Monthly 9 months 118 months x 14~15 km days 6 months 1 year
10,000 km Monthly 90,000 km 90,000 km 10,000 km 120,000 14~15 km days 6 months
10,000 km 90,000 km 9 months Monthly 9 months 10,000 km 120,000 km km 4m 420 km
Monthly 9 months 10,000 km 120,000 14~15 km days 6 months
10,000 km 14~15 km days 6 months
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6 months
Depot

Remarks (1) 3271: Heavy OH is carried out every 8 years

(2) Others: Heavy OH is carried out every 12 years

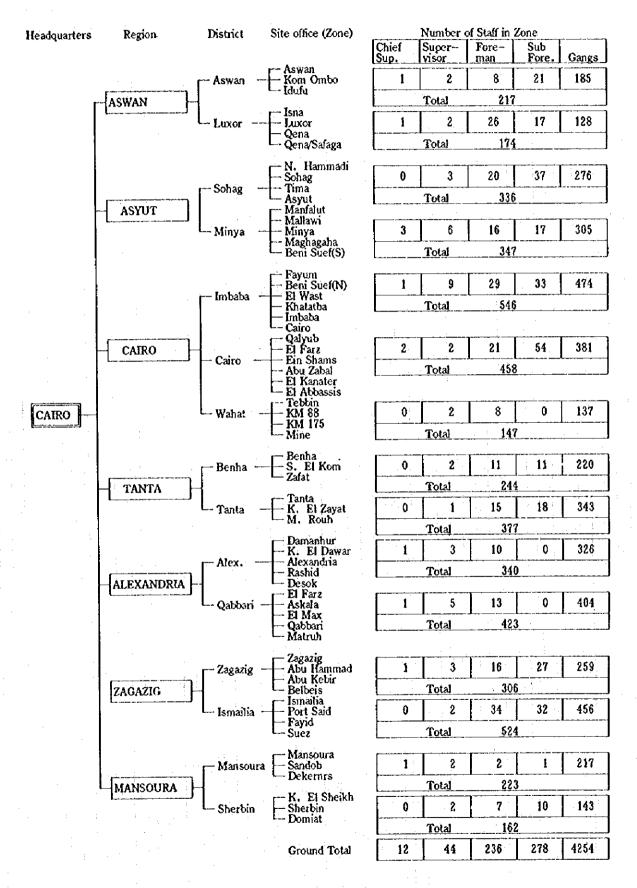
Appendix 3.11

Table 3.11.19 Depot-wise Locomotive in Charge

July 1, 1996

		2475	ЭНР	1650HP			
Region or Line	Depot	Express Pass.	Freight	Normal Pass.	Shunting	То	tal
	Farz	142	27	86	113	368	478
Central	Bulak Dakroor		110			110	4/8
	Kabary		12	17	13	42	65
West Delta	Hadra			40		40	82
Middle Delta	Tanta			41	47		88
East Delta	Zagazig			25	25		50
North Delta	Mansura		:	16	8		24
Intermediate	Menya			17	26		43
South	Aswan, Luxor			14	17		31
Baharia	Tebien		25			25	20
Safaga			4			4	29
m		142	178	256	240		825
To	otal	32	20	256	249	L	823

Appendix 3.12.1 Organization Chart of Region, District & Zone and Personeel



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3.12. 2 Track Structure a

	Name of Line	Length	Track	Single/	Class	Mex	Major structure of	Track	Maintenance
Š	(Station to Station)	of Line	Length	Double	ŏ	train	Track	rehabilitaion	work
_	100 miles (100 miles ((km)	(km)	Track	Line	speed		works	
~- .	Cairo - Alexandria	19		4 tracks	1st	90/105	UIC 54, PC sleeper	Done	MTT
		190	456	Double		140	UIC 54, PC sleeper	Done	MTT
~	Cairo - El Sad El Ali	791		Double	1st	120/110	UIC 54, PC sleeper	Done	TTM
		107	1,679	Single		09/02/06	UIC 54, PC sleeper, S sleeper	partialy on-going, after Aswan not vet	TTM
ო	Benha - Port Said	113		Double	1st	90	UIC 54, PC sleeper	Done	MTF
		78	304	Single		90/70	UIC 54, PC sleeper	Done	MTT
4	\rightarrow	\$	108	Double	15t	06	UIC 54, PC sleeper	Done	MTT
လ		15	ဓ္ဌ	Double	1st	70	UIC 54, PC sleeper	Done	TTM
9	Helwan - El Marg	47	83	Double	1st	100	UIC 54, PC sleeper	New Costruction	MTT
7		88	175	Single	2nd	55	UIC 54 & S 52, S sleeper	Most of all done, others remain	MTT
ထ		63	63	Single	2nd	90	UIC 54, PC sleeper		TTM
တ	Zagazig - Tanta	25	57	Single	2nd	70/60	UIC 54, S sleeper		Manuai
5	Imbaba - Itay El Baroud	120	120	Single	2nd.	100/70	UIC 54, W sleeper, PC sleeper		ImbaBar. MTT,
7	Sidi Gaber - Abu Qir	18	98	Double	2nd	70	UIC 54, W sleeper	Done	Manual
2	Qalyub - Menuf - Tanta	833	93	Single	2nd	70/55	S 52, S sleeper	of all not yet	QalyMenuf MTT, other Manual
5	Ein Shams - Suez	129	129	Single	2nd	8	UIC 54, S sleeper	Done	MTT
4	Ei Wasta - Abu Kesah	61	61	Single	2nd	70	UIC 54, PC sleeper, S 47, S-sleeper	Partially done, other remain	Manual
15	El Marg - Shebin	21	21	Single	2nd	70/40	sleeper		Manual
16	El Mamoura - Rashid	98	99	Single	2nd	20	S 52 & S 47, S sleeper	ly done, other	Manuai
		71	7.1	Single	2nd	09	UIC 54 & S 52, S sleeper		Manuai
2		83	83	Single	2nd	70	UIC 54 , PC sleeper		Manual
<u>0</u>	Zagazig - El Mansoura	69	69	Single	3rd	70	UIC 54, PC sleeper		Manual
8	20 Abu Kebir - El Salhia	34	88	Single	3rd	70/60	S 47, S sleeper		Manual

Appendix 3.12. 2 Track Structure and Maintenance Way on each Line/Segment (2)

Name of Line								
	200	Ž Ž	olugie/	Class	Max.	iviajor suncture of	במנא	Maintenance
(Station to Station)	of Line	Length	Double	ŏ	train	Track	rehabilitaion	work
	(km)	(km)	Track	Line	speed		works	
El Samina	10	10	Single	3rd	70	S 47, S sleeper	Done	Manual
Menuf - Kafr El Zavat	49	49	Single	3rd	- 60	S 47, W sleeper	Not yet done	Manual
El Santa - Mahalet Rouh	19	19	Single	3rd	99	S 52 & S 47, S sleeper	Partially done, other on-going	Manual
Mahalet Rouh - Damanhur	74	74	Single	3rd	09	UIC 54, PC sleeper S 47, S sleeper	Most of all on-going, partially done	Manual
Benna - Menuf	25	25	Single	3rd	60	UIC 54, S sleeper	Done	Manual
Qabbari - Marsa Matruh	15		Double	3rd	06	UIC 54, S sleeper	Done	Manuaí
	279	309	Single	3rd	06	UIC 54, S sleeper	Done	Manuai
Sherbin - Qelein	8	8	Single	3rd	70	S 52 & S 47, S sleeper	Partially done, most of all not yet	Manual
Bouseli - El Qassabi	29	29	Single	3rd	55/40	S 52, S sleeper	Done	Motob Qasabi MTT, other Manual
El Fayum - Sinnuris	12	12	Single	3rd	50.	S 52, S sleeper	Done	Manual
Desouk - Motobus	27	27	Single	3rd	40	S 47, S sleeper	On-going	Manual
El Abbasssia - Tura	20	20	Single	3rd	40	S 47. S sleeper	Not yet done	Manual
El Geish - El Magharat	24	24	Single	3rd	40	S 46, W sleeper	Not yet done	Manual
Samala - El Saloum	260	260	Single	3rd		S 42, S sleeper	Not yet done	Manual
Tebbin - Baharia	346	346	Single	3rd		UIC 54, W sleeper	On-going	Manual
El Ithad - Qabbari	108	108	Single	3rd		UIC 54, S sleeper	Done	Manual
Beni Suef - El Lahun	25	25	Single	3rd	40	UIC 54, S sleeper	Most of all on-going, partially done	Manual
Saweish - Abu El Sammad	12	12	Single	3rd	15	S 52, S sleeper S 46, W sleeper	Not yet done	Manual
El Gabal El Asfar	7	4	Single	310	40	S 46, W sleeper		•
Kafr Saad - Faraskour	3	3	Single	3rd	25	S 52, S sleeper	Done	Manual
Kafr Bateikh - Domietta Por	15	15	Single	3rd		S 47, S sleeper	•	
Qena - Safaga	233	233	Single	3rd		UIC 60, PC sleeper	New construction	MTT
Qena - Abu Tartour	338	338	Single			UIC 60, PC sleeper	Under construction	

Appendix 3.12. 3 Number and Category of Personnel of Permanent Way

Category	Planned Number	Actual Number
High Management Officer	7	7
Engineer Staff	253	253
Administration Staff	73	73
Technical Staff	506	506
Secretary & Typist	796	796
Assistance to Secretary & Typist	297	297
Technical Staff for Workshop	368	368
Architectural Staff	1,657	1,657
Technical Staff (Transportation)	. 121	121
Office Labor & Ganger Assistants	6,642	5,000
Gardener	14	14
Ganger	6,615	4,600
Total	17,349	13,692

Appendix 4.2.4 SEA CONTAINER RAILWAY TRANSPORTATION PLAN (Summary) (Studied by Transmark & El Hawary)

1. Predicted Total Traffic Capture

20 Foot Equival	ent Units	1990 (1000)	2000 (1000)
Ports to Cairo	LCL	6.1	18.0
	FCL	4.9	23.0
Ports to Upper Egypt	FCL	5.0	19.3
Upper Egypt to Ports	FCL	1.3	4.0
11 001	Empties	3.7	15.3
Cairo to Ports	FCL	2.3	8.0
	Empties	8.7	33.0
Total		32.0	120,6

Note: FCL: Full Container Load, LCL: Less than Cotainer Load

2. Ports and Terminals

Alexandria

Dikheila

Damietta

Port Said

Cairo (Inland Clearance Depot ICD)

Minya (year 2000 only)

Asyut

Oena

Aswan (year 2000 only)

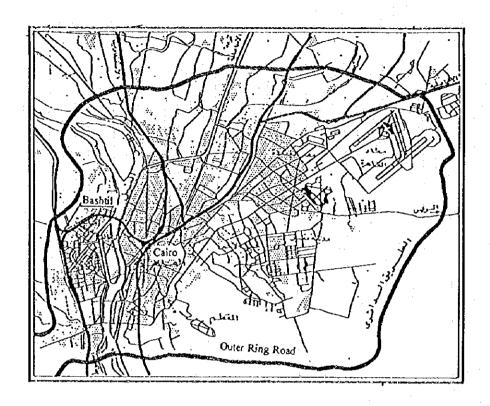
3. Container Train Operation Plan

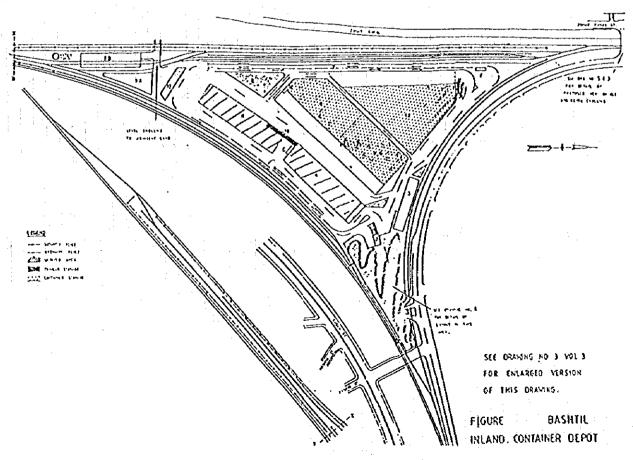
	1990	2000
Cairo - Alexandria	6	6
Cairo - Dikheila	5	9
Cairo - Damietta	5	4
Cairo - Port Said	2	4
Cairo - Upper Egypt	6	6
(per week)		

4. Container Train Formation

1 Locomotive + 1 Security Coach + 22 Container Flats: 1570 gross trailing tonnes

BASHTIL INLAND CONTAINER DEPOT





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