



TRANSPORT STATISTICS

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2009

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Information and Communication Technology Centre,
Office of the Permanent Secretary,
Ministry of Transport, Bangkok, Thailand.

2009 EDITION





FOREWORD

This edition of Transport Statistics (TranStat) is the first since its commencement. It provides data on all transport modes for the year 2009, together with other key data.

This publication gives an overview of available data. More detailed data is available from our transport data base. They can be retrieved according to the requirements of the user. Interested parties are invited to contact us.

Comments and suggestions on the publication are appreciated.

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CLASSIFICATION OF ROAD MOTOR VEHICLES

All motor vehicles used for transport on public roads have to be registered under Motor Car Act B.E. 2522 (1979) or under Land Transport Act B.E. 2522 (1979).

Vehicles registered under Motor Car Act B.E.2522 (1979) are the following.-

1. Sedan (not more than 7 passengers)
2. Microbus & Passenger Pick UP
3. Van & Pick Up
4. Motortricycle
5. Interprovincial Taxi (Sedan)
6. Urban Taxi (Sedan)
7. Fixed Route Taxi (on 4-Wheel chassis, displacement not more than 800 cc.)
8. Motortricycle Taxi (Tuk Tuk)
9. Hotel Taxi (Sedan)
10. Tour Taxi (Seden)
11. Car for Hire (Sedan)
12. Motorcycle
13. Tractor
14. Road Roller
15. Farm Vehicle
16. Trailer (for the afore-mentioned vehicles)

Vehicles registered under Land Transport Act. B.E.2522 (1979) are as follows.-

1. Fixed Route Bus
2. Bus for Hire
3. Private Bus
4. Non-fixed Route Truck, Trailer and Semi-Trailer (for hire or reward)
5. Private Truck, Trailer and Semi - Trailer
6. Small Rural Bus (for public transport)



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Summary TranStat

Area [km ²]	513,000
Land area [km ²]	511,770
Water area [km ²]	2,230
Coast area [km ²]	3,219
Irrigable area [km ²]	49,049
Population [mill. persons]	64
Village	74,944
Average density of population [persons / km ²]	124
Average NI [bath/person]	102,527
Government expenditure of MOT [mill. bath]	100,100
Petroleum products consumption [mill. litres]	27,956
CO ² Emissions [1000 ton]	55,342
Road Network [km]	445,511
- Road Network per land area [km/km ²]	0.87
- National Highways [km]	65,630
- Proportion of paved road [%]	99.60
- Rural road [km]	44,895
- Proportion of paved road [%]	76.37
- Local administration [km]	334,986
- Length of motorways [km]	144
Road vehicle fleet	
- Motorization	144
- Number of private cars [1,000]	9,160
- Vehicles [per 1,000 persons]	413
- Motorcycle [per 1,000 persons]	261
- Vehicle density [vehicles per km of road]	61
- New vehicle registrations	2,227,828
▪ Motorcycles [%]	73.4
▪ Sedans [%]	13.9
- Vans and Pick-ups [%]	9.2



Highway Network Map





Railway Network Map





Table 0.1 : Development of Population by Region 2000 to 2009

Region	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	('000)									
BKK & Vic.	9,401	9,529	9,669	9,815	9,637	9,785	9,948	10,065	10,162	10,237
- Male	4,570	4,622	4,679	4,744	4,628	4,694	4,769	4,818	4,857	4,884
- Female	4,831	4,907	4,990	5,071	5,009	5,091	5,180	5,247	5,305	5,353
Northern	12,101	12,124	12,153	12,089	11,842	11,884	11,891	11,872	11,879	11,770
-Male	6,013	6,021	6,031	5,995	5,861	5,879	5,879	5,869	5,870	5,807
-Female	6,088	6,103	6,121	6,094	5,981	6,005	6,011	6,003	6,008	5,964
Northeastern	21,405	21,494	21,609	21,660	21,267	21,328	21,377	21,386	21,443	21,496
-Male	10,706	10,746	10,806	10,829	10,619	10,647	10,670	10,675	10,704	10,730
-Female	10,699	10,747	10,803	10,831	10,649	10,681	10,707	10,711	10,738	10,766
Central	2,967	2,985	3,003	3,008	2,930	2,942	2,957	2,963	2,981	2,978
-Male	1,466	1,474	1,483	1,485	1,439	1,444	1,450	1,451	1,461	1,458
-Female	1,501	1,510	1,519	1,523	1,491	1,499	1,508	1,512	1,520	1,519
Eastern	4,181	4,242	4,301	4,350	4,273	4,334	4,402	4,443	4,510	4,558
-Male	2,093	2,122	2,149	2,171	2,121	2,147	2,181	2,199	2,230	2,252
-Female	2,088	2,120	2,152	2,179	2,152	2,186	2,221	2,244	2,280	2,306
Western	3,607	3,624	3,650	3,658	3,591	3,628	3,653	3,654	3,675	3,672
-Male	1,787	1,794	1,808	1,810	1,770	1,788	1,802	1,801	1,810	1,806
-Female	1,820	1,829	1,843	1,848	1,822	1,840	1,851	1,853	1,864	1,866
Southern	8,217	8,312	8,416	8,500	8,433	8,517	8,600	8,655	8,742	8,814
-Male	4,091	4,134	4,183	4,222	4,179	4,219	4,257	4,283	4,324	4,356
-Female	4,126	4,177	4,233	4,278	4,253	4,298	4,343	4,372	4,418	4,458
Total	61,879	62,309	62,800	63,080	61,974	62,418	62,829	63,038	63,390	63,525
-Male	30,726	30,913	31,140	31,255	30,617	30,819	31,008	31,096	31,256	31,293
-Female	31,153	31,395	31,660	31,824	31,357	31,599	31,821	31,942	32,134	32,232

Source : Department of Provincial Administration, Ministry of Interior.



Table 0.2 : Public Expenditure in the Transport Sector by Mode 2001 to 2010

Transport Mode	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Baht (Million)										
Land Transport	55,942	49,368	46,231	50,444	65,101	65,437	67,103	62,961	69,684	47,832
-Road Transport	34,875	-	-	-	-	-	-	-	-	-
-Rail Transport	7,931	8,614	7,886	8,059	7,357	13,337	11,778	8,334	9,108	6,520
-Mass Transit System	126	-	-	-	-	-	-	-	-	-
-Administration	13,010	-	-	-	-	-	-	-	-	-
Water Transport	5,222	2,743	1,937	2,283	2,476	3,244	3,571	3,724	3,732	3,557
-Inland Waterway	383	-	-	-	-	-	-	-	-	-
-Coastal Shipping	1,375	-	-	-	-	-	-	-	-	-
-Maritime Transport	2,863	-	-	-	-	-	-	-	-	-
-Administration	602	-	-	-	-	-	-	-	-	-
Air Transport	1,049	823	1,071	1,093	1,405	1,355	791	907	923	910
-Air Transport	721	-	-	-	-	-	-	-	-	-
-Administration	328	-	-	-	-	-	-	-	-	-
Total Transport	62,214	52,933	49,240	53,819	68,982	70,037	71,465	67,592	74,339	52,299

Source : Bureau of the Budget.

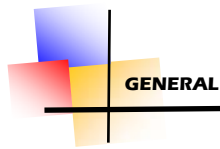


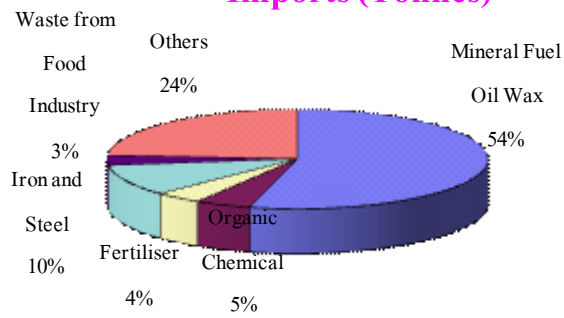
Table 0.3 : Foreign Trade Imported and Exported by Mode 2007 to 2009

Mode	2007	2008	2009	2007	2008	2009
Import	Baht (Million)			Tonnes ('000)		
Sea	3,285,671	4,194,744	3,085,635	101,774	99,370	90,702
Rail	6,825	5,898	1,936	77	70	24
Land	179,621	262,966	283,230	3,417	7,737	12,142
Air	1,323,561	1,436,110	1,222,787	223	241	206
Mail & Oth.	76,270	62,739	6,943	8,481	6,200	0
Total	4,871,948	5,962,456	4,600,531	113,972	113,618	103,075
Export						
Sea	3,511,158	3,950,855	3,370,534	92,812	93,907	91,717
Rail	36,453	17,171	9,042	685	296	164
Land	282,915	384,157	346,760	7,751	8,372	9,122
Air	1,463,610	1,485,887	1,459,151	462	418	397
Mail & Oth.	7,977	13,291	9,100	1	2	0
Total	5,302,113	5,851,361	5,194,587	101,711	102,996	101,401

Source : Department of Customs.

FOREIGN TRADE 2009

Imports (Tonnes)



Exports (Tonnes)

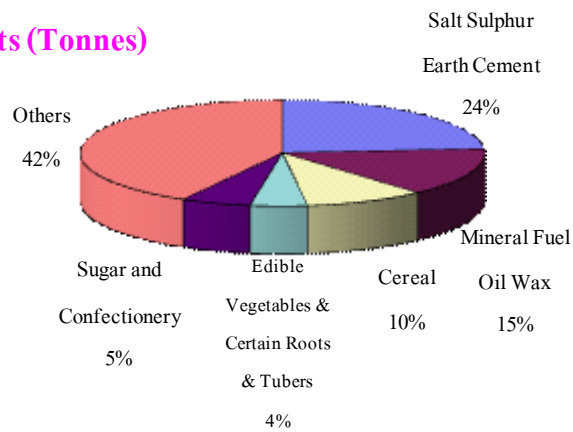




Table 0.4 : Energy Consumption by Transport Mode 2005 to 2009

	2005	2006	2007	2008	2009
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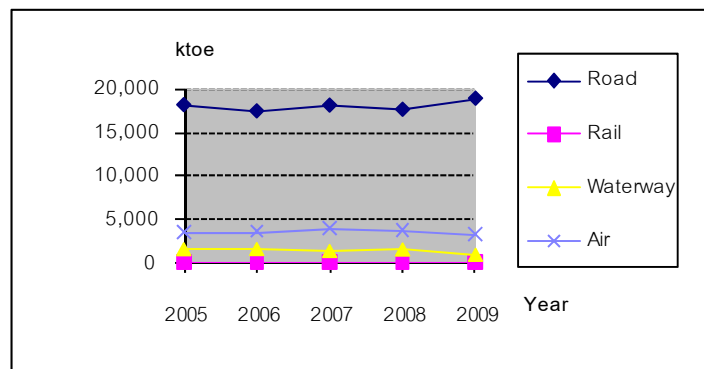
Transport

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Road	18,209	17,499	17,868	17,478	18,886
Rail	103	103	97	96	91
Waterway	1,670	1,689	1,619	1,661	1,532
Air	3,509	3,694	4,031	3,789	3,623

Total

	23,491	22,985	23,615	23,024	21,132
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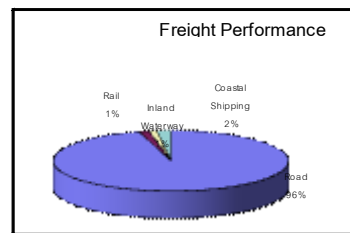
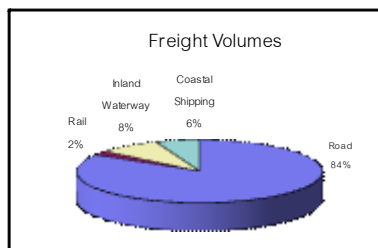


Source : Department of Alternative Energy Development and Efficiency, Ministry of Energy.



Table 0.5 : Modal Split for Freight and Passenger Transport 2009

	Road	Rail	Inland Waterway	Coastal Shipping	Air Transport	Total
Freight						
- Volumes						
- Tonnes ('000)	423,677	11,133	41,561	29,311	59	505,741
- %	83.77	2.20	8.22	5.80	0.01	100
- Performance						
- Tonnes Kms. (Million)	179,009	2,533	2,023	3,587	33	187,185
- %	95.63	1.35	1.08	1.92	0.02	100
Passengers						
- Numbers						
- Passengers ('000)	N.A	47,939	N.A	N.A	8,025	
- Performance						
- Passenger Kms. (Million)	N.A	8,578	N.A	N.A	4,737	



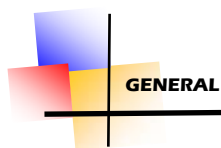


Table 0.6 : Accidents by Transport Mode 2005 to 2009

Transport Mode	No. of Reported Accidents				
	2005	2006	2007	2008	2009
Road	122,040	110,686	101,752	88,689	84,806
Rail	512	518	555	757	553
Inland Waterways	9	9	13	11	10
Coastal Shipping	18	16	18	17	22
Maritime Transport	3	5	13	8	8
Air Transport	4	9	7	8	3
Total	122,586	111,243	102,358	89,490	85,402

Transport Mode	No. of Casualties				
	2005	2006	2007	2008	2009
Road	94,364	83,290	79,029	71,059	61,996
Rail	417	467	438	314	414
Inland Waterways	-	-	74	14	6
Coastal Shipping	74	10	2	1	8
Maritime Transport	-	-	1	-	-
Air Transport	-	26	45	-	15
Total	94,855	83,793	79,589	71,388	62,439

Transport Mode	No. of Fatal Casualties				
	2005	2006	2007	2008	2009
Road	12,858	12,693	12,492	11,561	10,717
Rail	194	160	240	180	299
Inland Waterways	4	3	9	17	12
Coastal Shipping	42	4	26	11	12
Maritime Transport	-	1	7	26	7
Air Transport	3	-	90	-	1
Total	13,101	12,861	12,864	11,795	11,048

Source : Royal Thai Police

State Railway of Thailand, Ministry of Transport

Marine Department, Ministry of Transport

Department of Civil Aviation, Ministry of Transport



Table 1.1.1 : Length of Road Network Under DOH Jurisdiction by Category of Road 2000 to 2009

Fiscal Year	Special and National Highways			Other*	Grand Total
	Paved	Unpaved	Total		
Kms.					
2000	56,559	844	57,403	3,385	60,788
2001	58,967	784	59,751	2,444	62,195
2002	61,125	483	61,608	2,487	64,095
2003	61,559	355	61,914	2,069	63,983
2004	61,238	348	61,586	1,702	63,287
2005	61,468	279	61,747	1,315	63,062
2006	62,177	225	62,402	1,371	63,773
2007	62,988	218	63,206	1,539	64,745
2008	64,977	231	65,208	1,058	66,266
2009	65,366	264	65,630	865	66,495

Source : Department of Highways.

Remark : * Roads Under Construction or Reconstruction and Minimum Maintenance Minor Roads. As of September 30, 1999.



Table 1.1.2 : Length of Road Network in Thailand 2009

Roads are administered by a number of agencies and no combined statistics are collected.

Estimate of the total length of roads in 2009 is derived from the following sources.

Administered by	Road type	Route kms.
Department of Highways	Special and National Highways	65,630
Department of Highways	Construction/Minimum Maintenance	865
Department of Rural Roads	Rural	41,509
Department of Local Administration	Rural	52,000*
The Royal Irrigation Department	Rural	23,153
Bangkok Metropolitan Administration	Municipal	3,789
Local Authorities	Municipal	N.A. ¹
Department of Provincial Administration	Rural	N.A. ²
Expressway and Rapid Transit Authority of Thailand	Bangkok Expressway	198

Remarks : 1. Latest available data : 11,900 in 1985

2. Latest available data : 82,400 in 1987

(* As of September 2003)

Table 1.2.1 : Vehicles Registered 2005 to 2009 Under Motor Vehicle Act 1979 by Type of Vehicle (As of 31 December of Each Year)

Type of Vehicle	2005	2006	2007	2008	2009
No. of Vehicle ('000)					
Sedans	2,903	3,313	3,560	3,809	4,079
Microbuses and Passenger Pick-ups	369	395	382	379	384
Vans and Pick-ups	3,664	4,174	4,371	4,552	4,697
Motorcycles	14,549	15,650	15,962	16,264	16,549
Others	244	426	463	507	549
Total	21,729	23,958	24,738	25,512	26,258
Shares (%)					
Sedans	13.4	13.8	14.4	14.9	15.5
Microbuses and Passenger Pick-ups	1.7	1.7	1.5	1.5	1.5
Vans and Pick-ups	16.9	17.4	17.7	17.8	17.9
Motorcycles	67.0	65.3	64.5	63.8	63.0
Others	1.1	1.8	1.9	2.0	2.1
Total	100	100	100	100	100

Source : Department of Land Transport.

**Table 1.2.2 : First - Time Vehicle Registered 2005 to 2009 Under Motor Vehicle Act 1979
by Type of Vehicle**

Type of Vehicles	2005	2006	2007	2008	2009
	No. of Vehicle				
Sedans	314,508	305,441	305,696	329,290	309,150
Microbuses and Passenger Pick-ups	14,959	15,951	21,380	21,329	16,842
Vans and Pick-ups	328,614	328,266	308,500	287,568	206,068
Motorcycles	2,011,816	2,001,711	1,665,400	1,796,376	1,635,807
Others	21,393	27,716	40,103	61,134	59,961
Total	2,691,290	2,679,085	2,341,079	2,495,697	2,227,828
	Shares (%)				
Sedans	11.7	11.4	13.1	13.2	13.9
Microbuses and Passenger Pick-ups	0.6	0.6	0.9	0.9	0.8
Vans and Pick-ups	12.2	12.3	13.2	11.5	9.2
Motorcycles	74.8	74.7	71.1	72.0	73.4
Others	0.8	1.0	1.7	2.4	2.7
Total	100	100	100	100	100

Source : Department of Land Transport.

Table 1.2.3 : Vehicles Registered 2005 to 2009 Under Land Transport Act 1979 by Type of Vehicle (As of 31 December of Each Year)

Type of Vehicle	2005	2006	2007	2008	2009
1. Busses	No. of Vehicle				
Fixed Route Busses	71,977	78,870	81,894	83,782	84,714
Non-Fixed Route Busses	23,021	26,117	29,199	31,375	32,270
Private Busses	8,249	9,201	9,649	10,240	10,569
Small Rural Busses	16,855	16,093	12,018	8,828	7,375
Total	120,102	130,281	132,760	134,225	134,928
	Share (%)				
Fixed Route Busses	59.9	60.5	61.7	62.4	62.8
Non-Fixed Route Busses	19.2	20.0	22.0	23.4	23.9
Private Busses	6.9	7.1	7.3	7.6	7.8
Small Rural Busses	14.0	12.4	9.1	6.6	5.5
Total	100	100	100	100	100
2. Trucks	No. of Vehicle				
Non-Fixed Route Trucks	108,812	124,889	135,996	147,770	156,237
Private Trucks	537,080	593,673	611,739	623,784	635,177
Total	645,892	718,562	747,735	771,554	791,414
	Share (%)				
Non-Fixed Route Trucks	16.8	17.4	18.2	19.2	19.7
Private Trucks	83.2	82.6	81.8	80.8	80.3
Total	100	100	100	100	100

Source : Department of Land Transport.



Table 1.2.4 : Number of Transport Operating Licenses for Passenger Transport by Type of Licenses 2005 to 2009

Licenses Type	2005	2006	2007	2008	2009
1. Fixed Route Busses	2,237	2,260	2,968	3,003	2,992
- Category 2	170	176	199	207	190
- Category 3	375	418	523	505	504
- Category 1&4	1,692	1,666	2,246	2,291	2,298
2. Non - Fixed Route Busses	6,147	6,957	8,315	9,323	9,801
3. Private Busses	3,791	3,617	5,252	5,510	5,667
4. Small Rural Busses	485	524	363	398	246
Total	12,660	13,358	16,898	18,234	18,706

Source : Department of Land Transport.

Table 1.2.5 : Number of Transport Operating Licenses in Freight Transport by Type of Licenses 2005 to 2009

Licenses Type	2005	2006	2007	2008	2009
1. Non - Fixed Route Trucks	5,550	6,419	7,797	8,922	9,650
2. Private Trucks	304,937	308,731	318,708	320,350	323,388
Total	310,487	315,150	326,505	329,272	333,038

Source : Department of Land Transport.

Table 1.3.1 : Vehicle Performance by Type of Road and Type of Vehicle 2009

Type of Vehicle	Special and National Highways					Grand Total
	Primary	Secondary	Sub Total	Provincial	Motorway	
Vehicle Kms. (Million)						
Cars & Taxis	24,770	21,080	45,850	20,839	4,914	71,603
Light Buses	2,022	1,479	3,501	1,788	101	5,389
Heavy Buses	1,424	814	2,237	648	101	2,986
Light Trucks	12,654	12,050	24,704	15,016	2,310	42,030
Medium Trucks	2,880	2,286	5,166	2,812	449	8,426
Heavy Trucks	6,617	3,831	10,448	3,546	885	14,879
Total	50,367	41,540	91,906	44,649	8,759	145,314

Source : Bureau of Traffic Safety, Department of Highways.

Table 1.3.2 : Development of Vehicle Performance on Special & National Highways 2005 to 2009

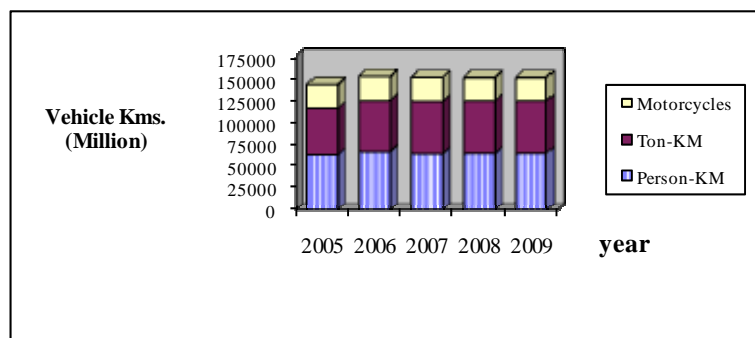


Table 1.3.3 : Vehicle Performance by Region and Type of Vehicle 2009

Region	Cars & Taxis	Light Buses	Heavy Buses	Light Trucks	Medium Trucks	Heavy Trucks	Total	Motorcycle
Vehicle Kms. (Million)								
Bkk & Vic.	18,876	1,038	817	6,584	1,554	2,192	31,062	2,803
Northern	11,455	747	296	9,322	1,397	1,974	25,190	8,488
Northeastern	13,455	1,143	612	10,298	1,883	2,745	30,136	8,876
Central	5,566	619	437	1,938	784	2,186	11,530	1,397
Eastern	7,303	518	328	4,717	1,035	2,129	16,031	2,332
Western	4,580	429	213	3,317	640	1,455	10,633	2,356
Southern	10,367	895	283	5,855	1,133	2,197	20,731	6,145
Total	71,603	5,389	2,986	42,030	8,426	14,879	145,314	32,398

Source : Bureau of Traffic Safety, Department of Highways.



Table 1.4.1 : Road Freight Transport by Commodity Group 2005 to 2009

Commodity Group	2005	2006	2007	2008	2009
	Tonnes ('000)				
Live Animals	2,049	2,314	2,261	2,257	2,398
Rice	26,947	26,558	26,636	26,478	26,477
Maize	2,375	2,818	2,730	2,719	2,753
Cassava	16,835	17,348	17,245	17,185	18,202
Sugar Cane	61,989	60,278	59,820	59,632	59,937
Rubber	2,544	2,488	2,499	2,439	2,639
Wood, Timber	4,908	5,106	5,067	5,050	5,150
Other Agricultural Products	14,748	15,166	15,085	15,028	15,803
Animal Fodder	3,089	3,387	3,327	3,313	3,414
Sugars	5,158	5,065	5,084	5,068	4,969
Other Foodstuffs	9,908	9,905	9,905	9,559	9,458
Solid Mineral Fuels	29,643	30,146	30,045	29,925	29,727
Petroleum Products	30,793	30,922	30,896	30,723	30,624
Ores and Metal Wastes	37,390	36,412	36,608	35,954	35,357
Metal Products	26,887	26,792	26,811	26,610	26,226
Sand, Gravel, Clay & Slag	50,823	51,023	52,583	52,522	51,451
Cement	25,331	24,390	22,978	22,762	21,291
Other Minerals & Building Material	20,814	20,508	20,570	20,420	20,721
Fertilizers	3,734	3,350	3,427	3,419	3,519
Chemicals	1,717	1,816	1,796	1,696	1,745
Equipment, Other Manufactured Articles	22,615	22,787	22,752	22,024	21,143
Miscellaneous Articles, Containers	29,978	29,002	29,997	29,674	30,674
Total	430,275	427,581	428,123	424,456	423,677

Source : Information and Communication Technology, Centre Ministry of Transport.

Remark : Data are estimated based on the Land Transport Department 1996 survey data, agricultural production, industrial production, mineral production and petroleum product consumption.

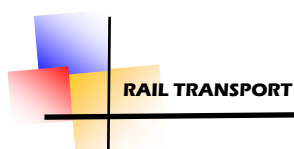


Table 2.1.1 : Railway Network Data by Line

Line	Length of Running Track	Length of Double Track	Length of Third Track	Sidings
		Kms.		
Bangkok - Ban Pachi Junction	-	90.350	59.085	108.243
Ban Pachi Junction - Chiang Mai	662.250	-	-	121.047
Ban Dara Junction - Sawankhalok	29.032	-	-	0.934
Ban Mor Junction - Tha Luang	6.640	-	-	8.602
Bangkok - Aranyaprated	262.639	-	-	18.745
Chachoengsao - Sattahip	133.054	-	-	26.547
Makasan - Maenam	6.094	-	-	17.418
Sriracha - Laem Chabang	9.267	-	-	4.157
Klong Sip Kao - Kang Koy Junction	82.148	-	-	8.21
Kao Chee Chan - Mab Tha Phut	24.638	-	-	12.675
Bang Sue Junction - Taling Chan Junc-	14.656	-	-	13.715
Chitlada - Makasan	2.560	-	-	0.322
Ban Pachi Junction - Tanon Jira Junction	176.334	-	-	58.027
Tanon Jira Junction - Ubon Ratchathani	309.348	-	-	29.617
Tanon Jira Junction - Nongkai	358.214	-	-	55.989
Kang Kay Junction - Boa Yai Junction	253.324	-	-	11.203
Thon Buri - Su-ngai Kolok	1,144.227	-	-	160.734
Nong Pladuk Junction - Nam Tok	131.508	-	-	11.623
Nong Pladuk Junction - Suphanburi	78.307	-	-	4.766
Ban Tung Po Junction - Kirirat Nikom	31.765	-	-	0.935
Thung Song Junction - Kantang	93.638	-	-	5.237
Kao Chum Tong Junction - Nakhon Si	35.319	-	-	2.694
Had Yai Junction - Padang Besar	44.447	-	-	1.809
Had Yai Junction - Song Khla*	29.605	-	-	2.788
Total	3,919.014	90.350	59.085	686.037
Vong Vian Yai - Mahachai	31.100	-	-	2.700
Ban Laem - Mae Klong	33.800	-	-	1.400
Total	64.900	-	-	4.100

Remark * : Not in service.

Source : State Railway of Thailand.

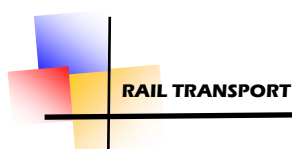


Table 2.2.1 : Development of Tractive Stock by Type of Traction 2000 to 2009

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Tractive Stock										
Steam - Wood Burning	2	2	2	2	2	2	2	2	2	2
Steam - Oil Burning	5	5	3	3	3	3	3	3	3	3
Diesel - Electric	246	241	239	239	238	238	237	237	236	236
Diesel - Hydraulic	50	40	40	40	40	40	34	34	33	33
Diesel - Railcars	285	285	249	248	248	248	236	236	236	236
Total	588	573	533	532	531	531	512	512	510	510

Source : State Railway of Thailand.

Table 2.2.2 : Performances of Tractive Rolling Stock 20005 to 2009

a) Performances of Tractive and Rolling Stock

	2005	2006	2007	2008	2009
1.1 Tractive Stock					
1.1.1 Steam Locomotives	1	1	1	1	1
1.1.2 Diesel Locomotives (Electric + Hydraulic)	28,119	27,404	25,743	25,084	23,888
1.1.3 Diesel Railcars	32,915	32,085	29,840	28,545	26,884
1.2 Rolling Stock					
Passenger Car Kms.	242,458	234,013	229,271	217,821	215,797
Freight Car Kms.	333,531	333,175	327,748	315,178	280,006

b) Traffic Performance by Type of Traffic

	2005	2006	2007	2008	2009
Passenger Traffic	28,717	28,408	27,904	26,815	27,302
Freight Traffic	8,780	8,524	8,780	7,317	6,536
Mixed	165	168	61	25	25

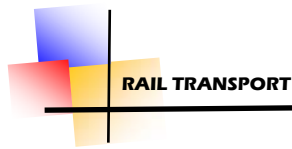
Source : State Railway of Thailand.



Table 2.3.1 : Rail Passenger Transport by Distance Classes and Type of Ticket 2005 to 2009

	2005	2006	2007	2008	2009
No. of Passenger					
1 - 50 Km					
Class 1	-	-	-	-	-
Class 2	60,572	39,091	37,091	20,564	22,451
Class 3	20,598,605	20,336,828	18,391,347	17,408,989	16,232,847
51 to 150 Km					
Class 1	100	46	42	41	9
Class 2	141,611	135,700	108,676	109,778	129,151
Class 3	9,004,592	9,280,904	9,033,454	12,163,552	13,285,132
151 to 250 Km					
Class 1	1,791	915	1,118	1,028	537
Class 2	137,440	126,272	93,188	90,158	93,202
Class 3	2,190,868	2,209,434	2,090,093	2,364,429	2,782,756
251 to 500 Km					
Class 1	12,789	12,339	13,174	12,183	11,602
Class 2	1,122,042	1,057,220	933,118	857,225	826,386
Class 3	4,188,907	3,973,276	3,651,700	3,894,507	3,921,000
501 to 1000 Km					
Class 1	98,754	102,486	100,258	106,757	100,656
Class 2	2,674,278	2,622,243	2,538,701	2,542,812	2,482,733
Class 3	4,006,499	3,848,846	3,358,974	3,493,002	3,515,940
1,000 to 9,999 Km					
Class 1	4,996	4,936	4,213	5,137	4,765
Class 2	244,497	238,036	216,886	208,560	187,022
Class 3	226,531	229,225	212,540	274,911	360,916
Mae Klong					
Class 3	4,362,567	4,269,277	4,265,230	4,280,938	3,981,585
Total	49,077,439	48,487,074	45,049,803	47,834,571	47,938,690

Source : State Railway of Thailand.



**Table 2.3.2 : Rail Passenger Kilometres Transport by Distance Classes and Type of Ticket
2005 to 2009**

	2005	2006	2007	2008	2009
Passenger Kms. ('000)					
1 - 50 Km					
Class 1	-	-	-	-	-
Class 2	1,531	1,063	1,019	583	667
Class 3	533,384	539,264	497,279	488,790	429,442
51 to 150 Km					
Class 1	14	7	6	6	1
Class 2	11,867	11,628	9,322	9,696	11,073
Class 3	756,092	774,118	750,798	993,341	952,463
151 to 250 Km					
Class 1	321	172	205	192	108
Class 2	27,737	25,655	18,714	18,023	18,528
Class 3	425,661	429,979	407,042	459,445	537,562
251 to 500 Km					
Class 1	5,689	5,517	5,939	5,508	4,935
Class 2	456,683	434,288	385,488	353,594	329,171
Class 3	1,619,554	1,534,709	1,409,672	1,488,825	1,436,456
501 to 1000 Km					
Class 1	71,765	74,428	72,387	77,643	73,002
Class 2	1,891,101	1,862,740	1,791,080	1,810,506	1,769,553
Class 3	2,592,024	2,498,520	2,190,200	2,283,317	2,346,758
1,000 to 9,999 Km					
Class 1	5,521	5,411	4,625	5,636	5,225
Class 2	263,810	257,143	234,456	225,174	201,405
Class 3	245,058	247,530	229,530	298,447	395,046
Mae Klong					
Class 3	46,452	43,492	43,475	51,305	66,162
Total	8,954,264	8,745,663	8,051,238	8,570,031	8,577,557



Table 2.4.1 : Rail Freight Transport by Commodity Group 2005 to 2009

Commodity Group	2005	2006	2007	2008	2009
	Tonnes ('000)				
Live Animals	-	-	0	0	0
Rice	10	8	2	1	0
Maize	0	0	0	0	0
Cassava	-	-	-	0	-
Sugar Cane	-	-	-	0	-
Rubber	-	-	-	-	-
Wood, Timber	1	1	2	1	1
Other Agricultural Products	5	6	5	2	2
Animal Fodder	0	0	-	0	-
Sugars	23	-	1	0	-
Other Foodstuffs	1	4	42	2	15
Solid Mineral Fuels	-	-	0	0	-
Petroleum Products	2,909	2,634	2,495	2,617	2,686
Ores and Metal Wastes	-	28	11	12	6
Metal Products	0	0	0	0	0
Sand, Gravel, Clay and Slag	-	-	-	0	-
Cement	1,592	1,695	1,399	1,310	1,166
Other Minerals	267	10	66	91	1
Fertilizers	0	6	2	1	0
Chemicals	0	-	-	0	-
Equipment, Other Manufactured Articles	48	57	60	71	65
Miscellaneous Articles, Containers	6,903	7,129	6,969	8,700	7,191
Total	11,760	11,579	11,055	12,807	11,133

Source : State Railway of Thailand.

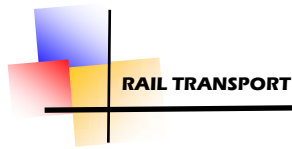


Table 2.4.2 : Rail Freight Transport—Development of Hazardous Freight by Hazard Classes 2005 to 2009

	2005	2006	2007	2008	2009
Tonnes ('000)					
Explosives *	2	1	1	1	-
Gases, Compressed, Liquefied, Dissolved	582	596	597	624	609
Inflammable Liquids **	2,328	2,038	1,899	1,993	2,748
Tonnes - Kms. ('000)					
Explosives *	555	276	369	383	-
Gases, Compressed, Liquefied, Dissolved	284,733	306,364	293,225	296,114	324,358
Inflammable Liquids **	1,208,266	1,044,743	940,206	976,702	1,399,109

Source : State Railway of Thailand.

Note : * Amount carried are confidential by the Military.

** Only Crude Oil, Benzine, Diesel and Bunker Oil.

Table 2.5.1 : Energy Consumption for Tractive Stock by Type 2000 to 2009

Type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Litres ('000)										
Bunker oil	204	134	11	12	4	11	20	11	11	11
Diesel oil	99,873	103,843	105,774	111,350	100,491	95,434	92,128	86,491	85,219	80,450
Diesel railcar oil	18,403	18,915	18,963	18,880	17,799	17,488	16,932	15,350	14,444	14,396

Source : State Railway of Thailand.

Table 3.1.1 : Length of Inland Waterways by Classes

Name of Inland Waterways	Length in Use in Kms.	Locks	
		Number	Minimum Gate Width
I. Rivers			
- Chao Praya	379	1	14
- Thachin	329	4	6
- Maeklong	140	1	12.5
- Pasak	714	1	6
- Bangpakong	121	-	-
- Nakhon Nayok	112	1	6
- Noi	167	4	6
- Prachin	121	-	-
II. Canals			
- Anusas Sanananti*	131	4	6
- Rapeepat	50	5	6
- Pak Klong*	35	2	6
- Klong Muang*	19	3	6
- Rang Sit	55	2	6
- Hok Wa*	54	1	6
- Bang Khanag*	28	1	6
- Tha Kai*	29	1	6
- Pravet Burirom*	57	2	6
- Samrong	51	1	6
- Khlong Dan	15	1	6
- Bang Yi Hon	5	2	6
- Bang Plama*	19	1	6
- Song Pi Nong*	27	1	6
- Kra Tom Prong*	5	1	6
- Pra Ya Banloe	37	2	6
- Bang Bua Thong*	34	2	6
- Maha Sawasdi	27	2	6
- Pasi Charoen	28	2	6
- Damnoen Saduak	35	2	6

Source : Marine Department and Department of Irrigation.

* : As of December 1994.



Table 3.2.1 : Development of Inland Waterways Fleet by Type of Vessel 2005 to 2009

Type of Vessel	2005	2006	2007	2008	2009
Self-Propelled Vessel	No. of Vessels				
General Cargo	2,452	2,493	2,547	2,599	3,004
Passenger Ship	2,705	3,002	3,187	3,358	3,709
Passenger and Cargo	1,397	1,520	1,551	1,567	1,572
Reefer Cargo Vessel	12	20	20	20	20
Oil Tanker	23	23	23	23	23
Tug Boat (Pull)	42	42	42	42	42
Tug (Push and Pull)	674	705	746	775	775
Others	1,785	1,864	1,947	2,075	2,205
Total	9,090	9,669	10,063	10,459	11,350
Non-Self-Propelled Vessel					
Wooden Barge/Raft	1,265	1,268	1,269	1,269	1,269
Steel Barge/Raft	1,793	1,802	1,812	1,819	1,829
Others	1,037	1,071	1,099	1,118	1,130
Total	4,095	4,141	4,180	4,206	4,228
Total	13,185	13,810	14,243	14,665	15,578
Self-Propelled Vessel	Gross Tonnage				
General Cargo	43,472	44,647	44,988	45,125	45,851
Passenger Ship	46,394	47,776	49,079	52,702	54,002
Passenger and Cargo	8,705	8,951	9,059	9,139	9,165
Reefer Cargo Vessel	45	113	113	113	113
Oil Tanker	4,561	4,561	4,561	4,561	4,561
Tug Boat (Pull)	438	438	438	438	438
Tug (Push and Pull)	4,800	5,147	5,560	5,927	6,072
Others	23,575	24,614	25,033	25,575	26,173
Total	131,989	136,247	138,831	143,579	146,375
Non-Self-Propelled Vessel					
Wooden Barge/Raft	49,866	49,982	49,986	49,986	49,986
Steel Barge/Raft	187,153	188,046	189,030	189,217	189,515
Others	66,018	67,575	70,327	75,198	75,730
Total	303,037	305,603	309,342	314,401	315,231
Total	435,026	441,851	448,173	457,979	461,606

Source : Marine Department.

Table 3.3.1 : Inland Waterways Fleet by Type of Vessel 2005 to 2009

Commodity Group	2005	2006	2007	2008	2009
	Tonnes ('000)				
Live Animal	-	-	-	-	-
Rice	1,405	1,415	1,870	1,774	1,686
Maize	286	630	646	762	1,378
Cassava	1,416	1,330	2,713	1,540	1,691
Sugar Cane	0	0	0	0	0
Rubber	0	0	0	0	0
Wood, Timber	421	336	261	245	152
Other Agricultural Products	0	0	0	0	0
Animal Fodder	715	701	660	460	1,049
Sugar	482	607	1,114	1,103	618
Other Foodstuffs	1,046	733	1,007	320	531
Solid Mineral Fuels	4,207	4,652	4,624	5,465	4,958
Petroleum Products	1,008	799	605	428	606
Ores and Metal Wastes	925	1,178	1,022	2,061	1,235
Metal Products	383	327	265	236	170
Sand, Gravel, Clay & Slag	18,709	16,154	16,135	16,424	13,389
Cement	7,954	8,481	13,159	12,974	11,470
Other Mineral & Building Material	0	0	7	16	6
Fertilizers	3,230	2,771	2,999	3,727	2,494
Chemicals	98	140	99	109	106
Equipment, Other Manufacture Articles	0	0	0	0	0
Miscellaneous Articles, Container	22	84	43	43	22
Total	42,306	40,340	47,229	47,687	41,561

Source : Information and Communication Technology, Ministry of Transport.

Remark : Data are estimated base on the data from the Department of Irrigation, the Marine Department.



Table 4.4.1 : Development of Coastal Fleet by Type of Vessel 2005 to 2009

Type of Vessel	2005	2006	2007	2008	2009
Self-Propelled Vessel	No. of Vessels				
General Cargo	1,276	1,519	1,564	1,591	1,621
Passenger Ship	5,995	6,783	7,428	8,053	8,706
Passenger and Cargo	475	497	521	536	539
Container Ship	3	5	7	9	15
Reefer Cargo Vessel	1,513	1,545	1,545	1,545	1,545
Oil Tanker	297	305	315	326	336
Gas Tanker	40	40	42	46	50
Oil and Gas Tanker	2	2	2	2	2
Fishing Vessel	20,433	21,166	21,770	22,289	22,802
Others	4,149	4,522	5,058	5,471	5,962
Total	34,183	36,384	38,252	39,868	41,578
Non-Self-Propelled Vessel					
Wooden Barge/Raft	17	21	23	24	24
Steel Barge/Raft	2,091	2,148	2,284	2,402	2,458
Others	379	400	418	440	464
Total	2,487	2,569	2,725	2,866	2,946
Total	36,670	38,953	40,977	42,734	44,524
Self-Propelled Vessel	Gross Tonnage				
General Cargo	308,400	320,400	323,396	324,433	324,981
Passenger Ship	113,103	120,805	128,308	135,270	143,381
Passenger and Cargo	25,306	25,447	25,587	25,788	25,843
Container Ship	7,882	13,560	18,311	21,498	23,628
Reefer Cargo Vessel	81,199	81,764	81,909	81,909	81,909
Oil Tanker	201,342	203,583	210,769	223,893	238,819
Gas Tanker	36,074	36,074	38,126	42,011	46,310
Oil and Gas Tanker	400	400	400	400	400
Fishing Vessel	493,199	502,444	508,384	514,278	521,802
Others	138,980	145,289	152,301	163,062	177,269
Total	1,405,883	1,449,765	1,487,491	1,532,541	1,584,343
Non-Self-Propelled Vessel					
Wooden Barge/Raft	9,193	12,690	14,402	14,454	14,454
Steel Barge/Raft	977,816	1,028,777	1,135,689	1,226,306	1,281,232
Others	183,202	225,593	236,737	245,788	249,949
Total	1,170,211	1,267,061	1,386,828	1,486,548	1,545,636
Total	2,576,094	2,716,826	2,874,319	3,019,089	3,129,978

Source : Marine Department.



Table 4.2.1 : Coastal Shipping Transport by Commodity Group 2005 to 2009

Commodity Group	2005	2006	2007	2008	2009
	Tonnes ('000)				
Live Animals	0	0	0	0	0
Rice	178	164	163	86	191
Maize	150	190	168	224	180
Cassava	2	19	27	18	10
Sugar Cane	0	0	0	0	0
Rubber	0	0	4	1	0
Wood, Timber	2	0	0	0	2
Other Agriculture	100	137	177	581	467
Animal Fodder	117	163	176	186	149
Sugar	3	0	0	0	0
Other Foodstuffs	392	11	29	11	3
Solid Mineral Fuel	5	53	20	79	17
Petroleum Products	30,232	27,175	26,997	25,250	25,308
Ores And Metal Wastes	103	151	49	252	20
Metal Products	670	993	728	638	578
Sand Gravel Clay Slag	10	81	8	4	0
Cement	193	287	349	433	385
Oth.Mineral & Building Mat	206	279	257	118	260
Fertilizer	79	107	73	54	43
Chemicals	1,757	1,746	1,941	1,640	1,695
Equipment,Oth.Manufact.	4	1	23	3	0
Miscellaneous,Container	51	19	28	39	2
Total	34,254	31,574	31,217	29,615	29,311

Source : Department of Customs.



Table 5.1.1 : Development of Maritime Fleet by Type of Vessel and Gross Tonnage 2005 to 2009

Type of Vessel	2005	2006	2007	2008	2009
No. of vessels					
General Cargo	294	487	536	538	544
Passenger Ship	33	42	43	43	43
Passenger and Cargo	10	32	32	32	32
Container Ship	17	20	22	22	23
Reefer Cargo Vessel	264	264	264	265	265
Oil Tanker	135	141	147	153	161
Gas Tanker	34	35	36	38	41
Oil and Gas Tanker	1	1	1	1	1
Fishing Vessel	1,982	2,097	2,339	2,515	2,638
Others	115	121	128	135	150
Total	2,885	3,240	3,548	3,742	3,898
Gross Tonnage					
General Cargo	2,365,458	2,392,866	2,407,653	2,415,669	2,469,966
Passenger Ship	12,638	12,828	12,832	12,832	12,832
Passenger and Cargo	4,007	4,019	4,019	4,019	4,019
Container Ship	189,196	238,727	242,307	242,307	244,430
Reefer Cargo Vessel	94,263	94,263	94,263	96,414	96,414
Oil Tanker	434,121	442,100	476,245	495,041	543,167
Gas Tanker	50,463	52,172	53,155	60,707	69,457
Oil and Gas Tanker	1,265	1,265	1,265	1,265	1,265
Fishing Vessel	317,910	341,660	396,418	421,757	446,367
Others	68,842	70,380	71,592	75,065	223,491
Total	3,538,163	3,650,280	3,759,750	3,825,077	4,111,409

Source : Marine Department.



Table 6.1.1 : Domestic Aircraft Movement 2005 to 2009

Airport	2005	2006	2007	2008	2009
	No. of Flights				
Suvarnabhumi	-	24,962	67,135	57,013	72,445
Don Mueang	90,761	77,287	49,403	46,555	28,627
Chaing Mai	18,012	19,211	22,191	20,677	21,758
Mae Hong Son	2,452	2,288	2,240	2,446	1,831
Pai	-	-	884	1,319	1,362
Chiang Rai	5,171	5,582	6,808	5,819	6,065
Lampang	1,528	1,456	1,280	1,321	915
Phrae	6	-	184	72	-
Nan	460	478	438	1,038	409
MaeSot	644	12	884	326	103
Phetchabun	-	-	-	108	2
Phisanulok	1,838	1,714	1,460	4,440	1,512
Sukhothai	2,617	1,813	1,452	1,413	1,370
Khon Kaen	2,498	2,266	2,344	3,104	2,195
Udon Thani	5,264	6,311	6,129	5,192	5,437
Ubon Ratchathani	3,019	3,322	3,332	3,343	2,930
Loei	8	264	154	100	-
Sakon Nakhon	1,022	1,142	868	1,256	748
Buriram	545	359	426	450	302
Roi Et	574	630	574	469	389
Nakhon Panom	901	1,108	864	876	882
Nakhon Ratchasima	8	10	10	266	8
Ranong	619	133	54	406	104
Phuket	14,115	17,207	23,915	20,814	20,883
Surat Thani	1,720	2,155	3,209	4,504	3,254
Nakon Si Thammarat	2,164	2,318	3,515	2,642	2,458
Trang	1,006	790	857	967	1,389
Had Yai	9,196	9,461	10,950	8,941	9,942
Pattani	-	-	-	179	732
Narathiwat	280	664	784	1,647	732
Chumphon	-	4	15	197	2
Krabi	3,207	4,663	8,228	4,942	5,802
Koh Samui	18,018	18,762	18,721	17,716	16,903
Hua Hin	2,297	2,215	2,139	5,547	435
Trat	1,662	1,831	1,778	1,776	2,090
U-Tapao	4,985	5,619	5,635	5,842	-
Total	196,597	216,037	248,860	233,723	214,016

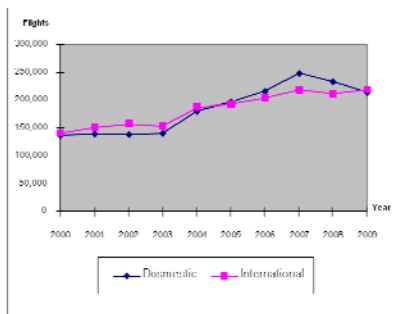
Source : Department of Aviation.



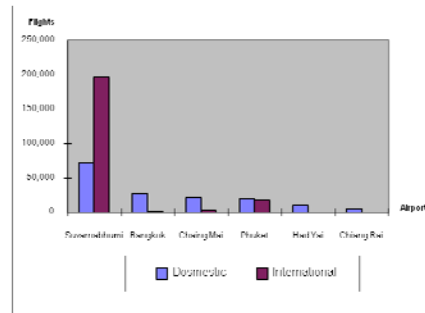
Table 6.1.2 : International Aircraft Movement 2005 to 2009

Airport	2005	2006	2007	2008	2009
No. of Flights					
Suvarnabhumi	-	48,808	194,457	188,706	196,314
Don Mueang	177,194	135,067	1,713	2,378	1,684
Chaing Mai	5,130	5,740	4,776	3,260	2,701
Phuket	9,970	13,680	16,884	17,177	18,231
Had Yai	1,607	1,127	809	197	149
Chiang Rai	3	18	14	23	31
Total	193,904	204,440	218,653	211,741	219,110

Aircraft Movement 2000 to 2009



Aircraft Movement 2009



Source : Airports of Thailand Public Company Limited



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