

The Economy and Construction Investment in JAPAN

Introduction

Due to underlying circumstances such as the recovery of production activities coinciding with the restoration of supply-chains and improved consumer mind-sets, etc. the Japanese economy, which declined rapidly following the Great East Japan Earthquake, shifted toward recovery and has since maintained a recovering trend. Although the recovering trend is expected to continue with reconstruction demand becoming a boosting factor, in contrast, there are concerns over under-performance risks such as historical yen appreciation and the stagnation of overseas economies.

With regards to construction investment in FY2011, increased government construction investment is anticipated from the backdrop of preparation and implementation of multiple supplementary budgets for restoration and reconstruction, and private sector construction investment is also expected to continue along a recovery trend throughout the year.

In addition, in FY2012, further government construction investment following on from FY2011 is anticipated in the form of continued allocation and implementation of earthquake restoration/reconstruction related budgets, and private sector construction investment is also expected to follow on from FY2011 and continue along a recovery trend.

Hereafter, this section examines the effects on construction investment, taking in to account statistical data, etc. published after the October 2011 announcement of estimations¹ made by RICE using the “Construction Economy Model” for predicted values for construction investment.

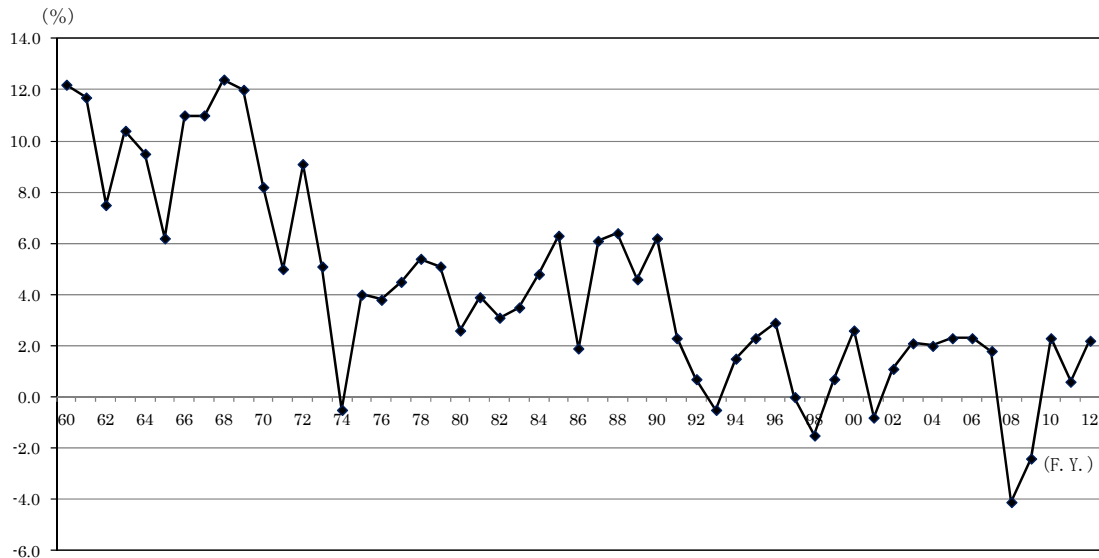
1 The Course of Trends in Construction Investment

Figure 2 shows trends in real construction investment totals by sector (government/private sector, civil engineering/construction). In the period of high economic growth, both government construction investment and private sector construction investment maintained steadily increasing trends. From the 1970s onwards, although there were temporary decreases in investment coinciding with the decline in the rate of economic growth due to two oil-shocks, a general underlying increasing trend was maintained, and in FY1990, during the bubble economy years, the highest ever total of 84.0 trillion yen was recorded. Later, following the collapse of the bubble economy, private sector construction investment entered a declining phase, and from the second half of the 1990s onwards, government construction investment also showed a significant underlying

¹ October 24, 2011 RICE publication “Forecast of Construction Investment based on the Construction Economy Model (October, 2011)”.

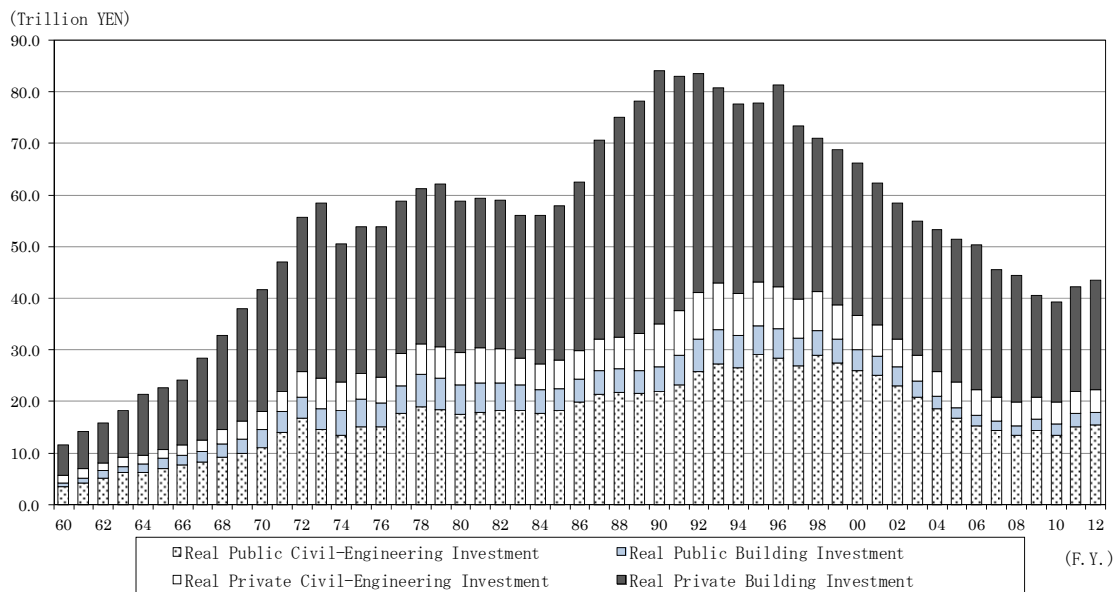
decreasing trend and a long-term stagnation of overall construction investment persisted. However, according to forecasts published by RICE in July 2011, due to increased restoration/reconstruction investment for the Great East Japan Earthquake and recovering private sector investment, increases over the previous year are expected for FY2011 and FY2012.

Figure 1 Trends in Real GDP Growth Rate



Source) Cabinet Office, RICE

Figure 2 Trends in Real Construction Investment

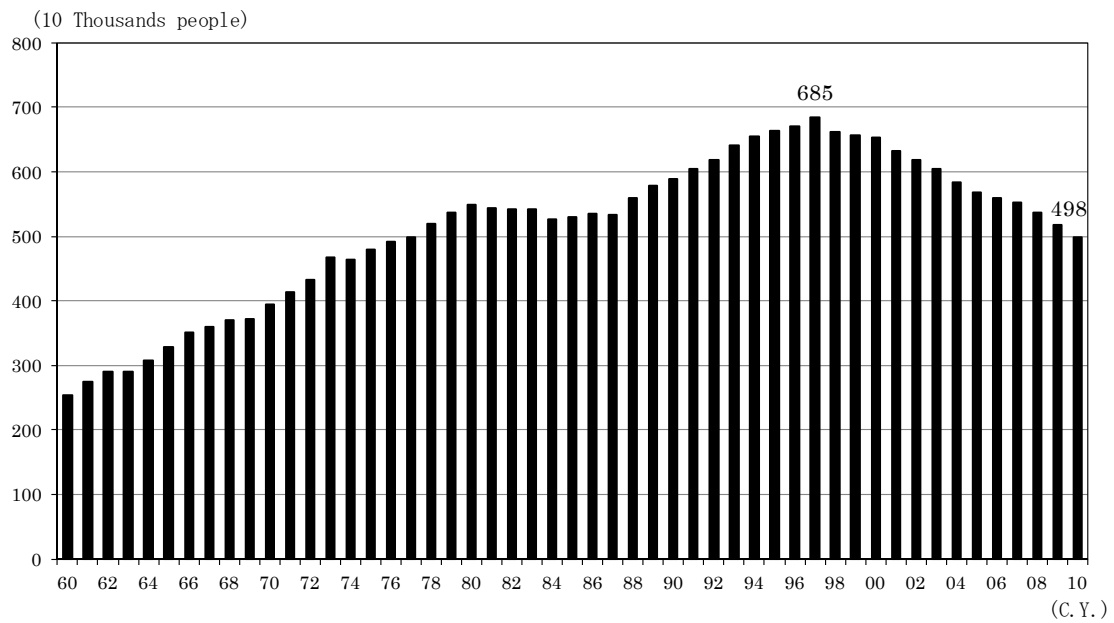


Source) MLIT², RICE (FY2005 standard)

² Ministry of Land, Infrastructure, Transport and Tourism

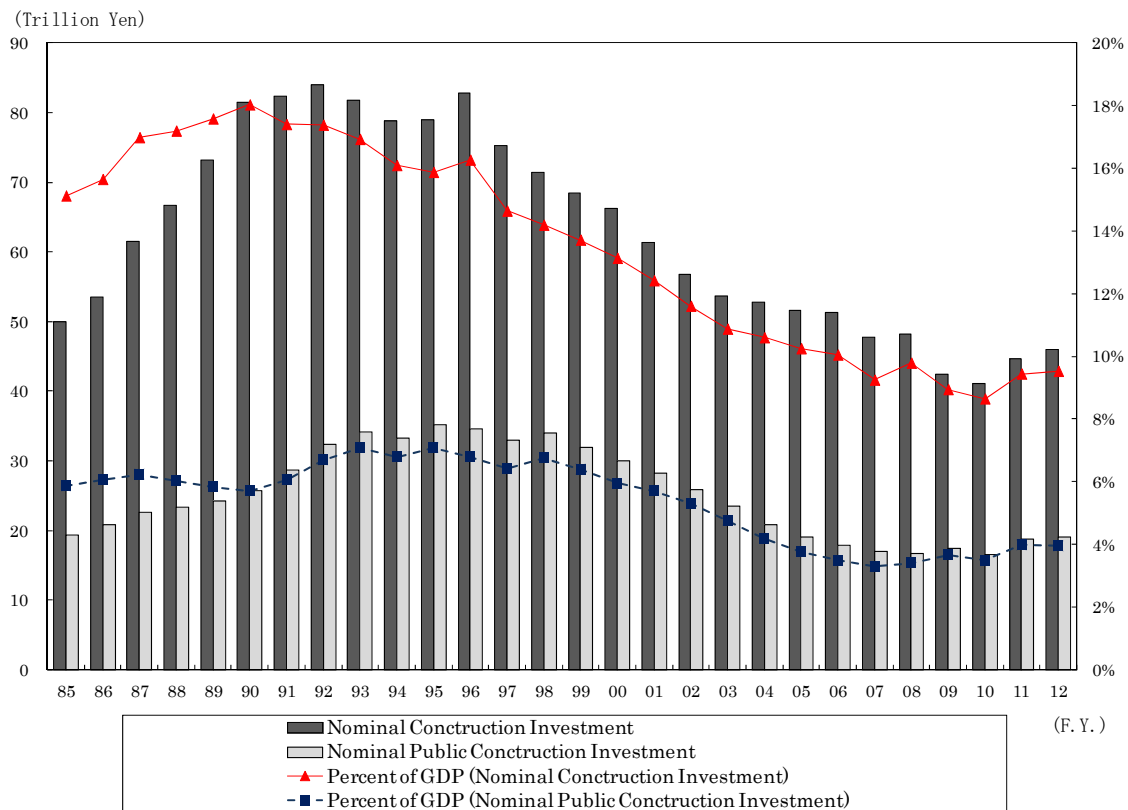
Figure 3 shows trends in the number of construction workers. The number of construction workers in 2010 was 4.98 million, a decrease of 1.87 million ($\Delta 27.3\%$) from the peak of 6.85 million in 1997. Taking into account that trends in construction investment were maintained at comparatively high levels up to 1996 even after the collapse of the bubble economy, the trend here generally traces trends in construction investment although the degree of decrease is smaller.

Figure 3 Trends in the Number of Construction Workers



Source) Ministry of Internal Affairs and Communication (MIC)

Figure 4 Trends in Nominal Construction Investment and Nominal GDP Percentage



Source) Cabinet Office, MLIT, RICE

2 Trends in Construction Investment

(1) Trends in the Number of Housing Construction Starts

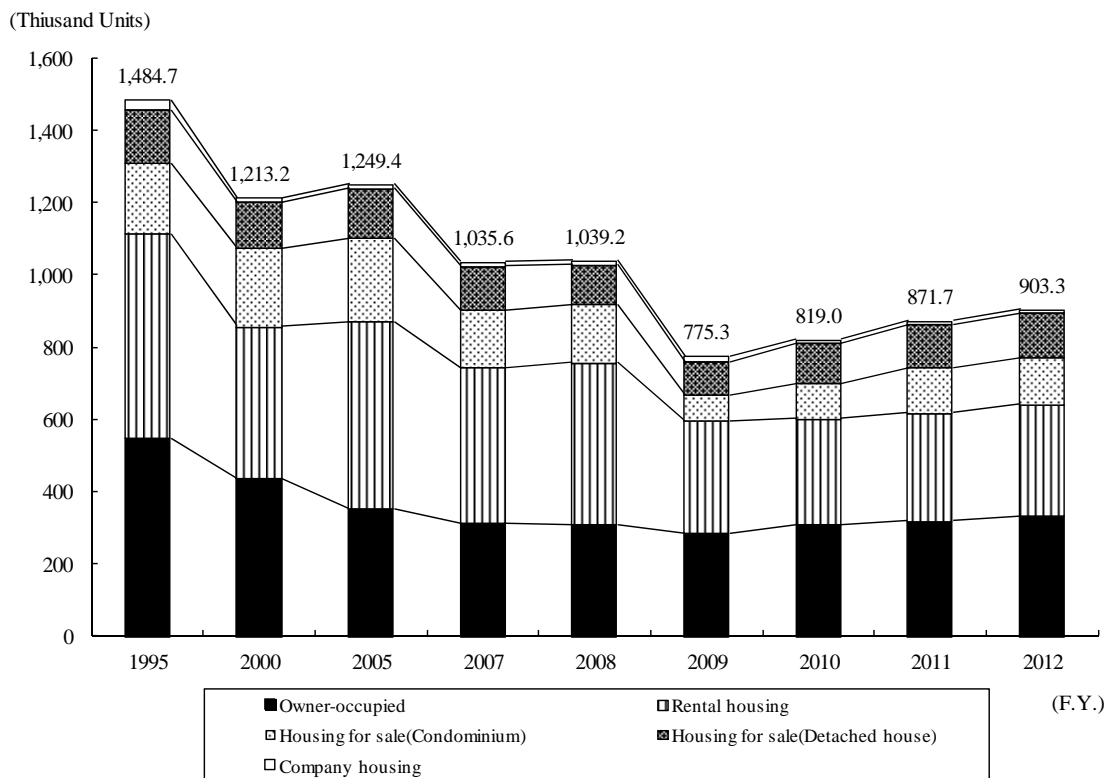
(Although the number of housing construction starts temporarily came to a standstill after the earthquake, this is now recovering)

The number of housing construction starts bottomed out in the summer of FY2009 and has since continued a recovering trend. However, after the Great East Japan Earthquake of March 2011, due to factors such as construction start delays caused by restrictions on the supply of some building materials and the postponement of housing orders/purchases due to social disruption and concerns about the future, the recovering trends came to a temporary standstill. However, the number of housing construction starts has continued to recover from May 2012 onwards, and looks set to return to a recovering trend.

The RICE forecast published towards the end of October 2011 predicts a return to recovery for FY2011 and FY2012 due to the recovery in the demand/supply mind-set, the recommencement of

postponed construction projects and the expected reconstruction of damaged housing from the summer of FY2011 onwards, and as shown in figures 5 and 6, the number of housing construction starts is forecast to increase by 6.4% over the previous year to 872,000 housing units. In addition, with regards to FY2012, the recovering trend from the previous year is expected to continue, and an increase of 3.6% (903,000 housing units) over the previous year is forecast.

Figure 5 Trends in Number of Housing Construction Starts (FY)



Source) MLIT, RICE

Figure 6 Trends in the Number of Housing Construction Starts by Usage

Fiscal year	1995	2000	2005	2007	2008	2009	2010	2011 (Forecast)	2012 (Forecast)
Total	1,484.7	1,213.2	1,249.4	1,035.6	1,039.2	775.3	819.0	871.6	903.3
(rate of change from previous F.Y.)	-4.9%	-1.1%	4.7%	-19.4%	0.3%	-25.4%	5.6%	6.4%	3.6%
Owner-occupied	550.5	437.8	352.6	311.8	310.7	287.0	308.5	319.5	334.4
(rate of change from previous F.Y.)	-4.9%	-8.0%	-4.0%	-12.3%	-0.4%	-7.6%	7.5%	3.6%	4.7%
Rental housing	563.7	418.2	518.0	430.9	444.8	311.5	291.8	298.1	307.8
(rate of change from previous F.Y.)	9.3%	-1.8%	10.8%	-19.9%	3.2%	-30.0%	-6.3%	2.1%	3.3%
Housing for sale	344.7	346.3	370.3	282.6	272.6	163.6	212.1	246.3	253.5
(rate of change from previous F.Y.)	-8.7%	11.0%	6.1%	-26.1%	-3.5%	-40.0%	29.6%	16.1%	2.9%
Condominium	198.4	220.6	232.5	161.5	166.0	68.3	98.7	126.2	130.6
(rate of change from previous F.Y.)	-12.5%	13.4%	10.9%	-33.9%	2.8%	-58.9%	44.5%	27.9%	3.5%
Detached house	146.3	125.7	137.8	121.2	106.6	95.3	113.4	120.1	122.9
(rate of change from previous F.Y.)	-3.0%	6.9%	-1.2%	-12.5%	-12.0%	-10.6%	19.0%	5.9%	2.3%
Nominal private residential investment	243,129	202,756	184,258	166,021	163,870	128,400	124,300	133,000	139,800
(rate of change from previous F.Y.)	-5.2%	-2.2%	0.3%	-11.5%	-1.3%	-21.6%	-3.2%	7.0%	5.3%

(Housing start:'000 Units, Investment: billion Yen)

Source) MLIT, RICE

Looking at movements, the total from April to August 2011 showed a strong trend with a year-on-year increase of 9.7% (Figure 7).

(“Owned houses” show signs of recovery after the post-earthquake decline)

Looking at housing by usage, the total for “Owned houses” from April to August 2011 shows a year-on-year increase of 4.4%. Although recovery temporarily stalled from April to June due to the effects of the earthquake, following a significant year-on-year increase of 19.1% in July, August also maintained the increase with a year-on-year increase of 6.9% indicating a trend towards recovery following the post-earthquake decline. The elimination of supply restrictions on construction work and psychological recovery on the demand side are considered contributory factors. It is difficult to judge whether there were any effects from last-minute demand for and reaction to the Housing Eco-point System that ended in July from the aforementioned movement in the number of housing construction starts in July and August. Furthermore, the government has indicated that this system, together with the “Flat 35S” interest rate reduction measures, for which the application deadline was until the end of September, will be resurrected within this fiscal year.

(Signs that “Rental housing” has bottomed out)

For “Rental housing”, the total from April to August 2011 showed a year-on-year increase of 4.3%. Although an underlying decreasing trend had continued since the latter half of FY2008, year-on-year increases have continued since June 2011, indicating that “Rental housing” has bottomed out.

(Significant underlying increasing trend in “Built-for-sale” units buoyed by apartments)

For “Built-for-sale”, the total from April to August 2011 showed a year-on-year increase of

27.3%. Although the degree of increase dipped temporarily from March to April 2011, from May onwards, the pace of recovery returned to levels before the earthquake. When looking at the breakdown, the recovery for “Built-for-sale apartments” is significant. After a significant increase exceeding the figure for the previous year by a three digit percentage in May, a two digit percentage recovery pace over the previous year has been maintained since June, and the total for April to August 2011 shows a 56.6% year-on-year increase. However, the level is still almost 40% lower in comparison to the same period in 2008. Meanwhile, “Owned houses”, which greatly reflect demand for home ownership, and “Built-for-sale houses, which reflect demand to some degree, have roughly returned to 2008 levels. For “Built-for-sale apartments”, for which factors on the supply side play a great part, as long as there is no sudden deterioration in how the “Built-for-sale” constructors view the market, the current underlying recovery trend is predicted to continue for a while.

Figure 7 Comparison on Number of Housing Starts

(Unit, %)

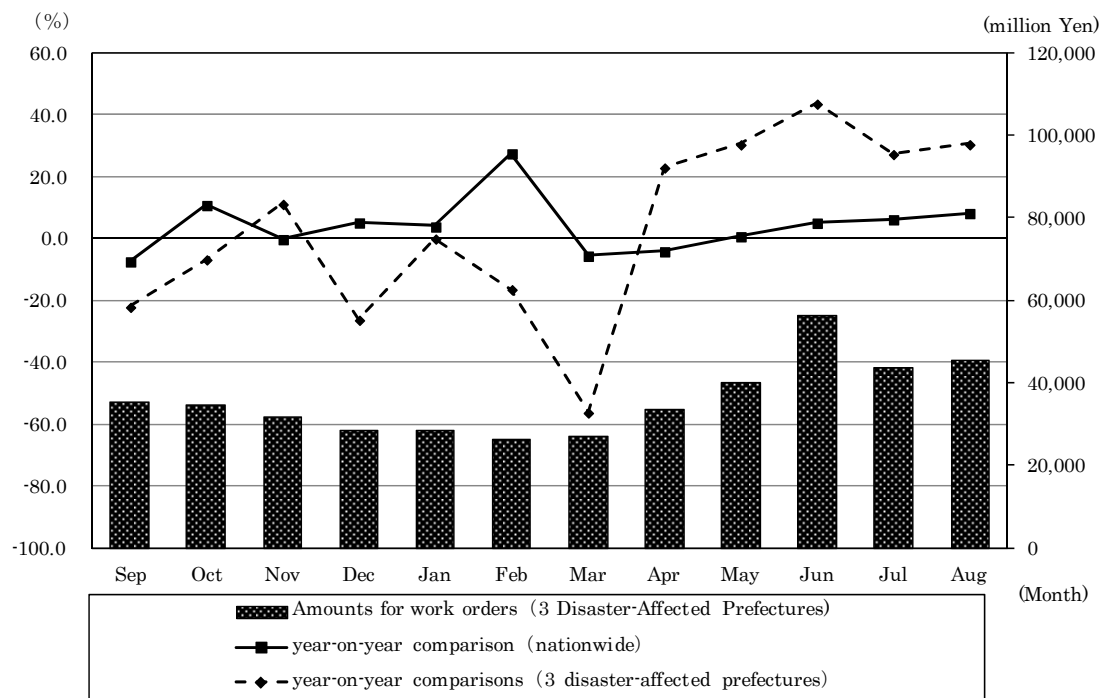
F. Y.	總 計			Owner-occupied			Rental housing			Housing for sale			Housing for sale (Condominium)			Housing for sale (Detached house)		
	Starts	rate of change		Starts	rate of change		Starts	rate of change		Starts	rate of change		Starts	rate of change		Starts	rate of change	
2008	1,039,214	0.3		310,670	-0.4		444,848	3.2		272,607	-3.5		165,998	2.8		106,609	-12.0	
2009	775,277	-25.4		286,993	-7.6		311,463	-30.0		163,590	-40.0		68,296	-58.9		95,294	-10.6	
2010	819,020	5.6		308,517	7.5		291,840	-6.3		212,083	29.6		98,656	44.5		113,427	19.0	
Apr-Aug(2008)	483,814	2.9	rate of change from 2008	145,186	5.7	rate of change from 2008	203,291	4.3	rate of change from 2008	131,728	0.0	rate of change from 2008	81,802	1.3	rate of change from 2008	49,926	-1.9	rate of change from 2008
Apr-Aug(2009)	322,994	-33.2		123,796	-14.7		128,768	-36.7		64,072	-51.4		26,770	-67.3		37,302	-25.3	
Apr-Aug(2010)	335,897	4.0		131,611	6.3		122,594	-4.8		78,750	22.9		32,229	20.4		46,521	24.7	
Apr-Aug(2011)	368,554	9.7	-23.8%	137,434	4.4	-5.3%	127,815	4.3	-37.1%	100,242	27.3	-23.9%	50,465	56.6	-38.3%	49,777	7.0	-0.3%

Source) MLIT

(Movement toward improvement in private sector works orders in the three disaster-affected prefectures)

With regards to amounts for work orders received by chief contractors, Figure 8 shows year-on-year comparisons for Japan and for the three Tohoku prefectures where earthquake damage was significant (Iwate, Miyagi, Fukushima) from September 2010 to August 2011 and trends in actual amounts for each prefecture. On a nationwide basis, year-on-year comparisons generally maintained a level trend. On the other hand, the year-on-year comparison for the three Tohoku prefectures shows a large drop in March, when the earthquake occurred, and a significant recovery in April. Trends subsequently maintained an increase of about 30%, and private sector works orders received by chief contractors deteriorated temporarily due to the effects of the earthquake but are now showing signs of improvement.

Figure 8 Trends in Amounts for Private Sector Work Orders Received by Chief Contractors in Japan and the Three Disaster-Affected Prefectures



Source) MLIT

(Gradual recovery in the number of housing construction starts in the three disaster-affected prefectures)

Figure 9 shows previous year comparisons with regards to the number of housing construction starts for Japan and for the three disaster-affected prefectures of Iwate, Miyagi and Fukushima since March 2011.

On a nationwide basis, the number of housing construction starts in the April to August term of FY2011 showed a year-on-year increase of 9.7%.

Of this, the three disaster affected prefectures showed an overall 12.4% year-on-year decrease, with 11.5%, 9.7% and 16.7% decreases in Iwate, Miyagi and Fukushima respectively, indicating the continued effects of the earthquake. However, each prefecture has recently shown signs of recovery, and in August, all three prefectures shifted to an increase over the previous year. In particular, the housing market in Sendai city looks set to recover, with the total number of units from April to August almost reaching the same level as the previous year with a year-on-year decrease of 2.4%. As housing reconstruction gains momentum, movement towards recovery is expected to become increasingly clearer.

The April to August total for prefectures other than the three disaster-affected prefectures show a favourable year-on-year increase of 10.5%. From July onwards, significant two-digit percentage

increases over the previous year have continued.

Restoration/reconstruction work such as the rebuilding of damaged housing will gradually gain momentum and the number of construction starts nationwide is expected to recover.

Figure 9 Trends in Number of Housing Construction Starts in Japan and the Three Disaster-Affected Prefectures.

	Mar		Apr		May		Jun		Jul		Aug		Mar-Aug	
	Starts (Units)	rate of change (%)	Starts (Units)	rate of change (%)	Starts (Units)	rate of change (%)	Starts (Units)	rate of change (%)	Starts (Units)	rate of change (%)	Starts (Units)	rate of change (%)	Starts (Units)	rate of change (%)
Nationwide	63,419	▲ 2.4	66,757	0.3	63,726	6.4	72,687	5.8	83,398	21.2	81,986	14.0	368,554	9.7
IWATE	225	▲ 30.1	271	▲ 32.9	322	▲ 37.0	332	▲ 39.9	576	31.2	620	26.3	2,121	▲ 11.5
MIYAGI	786	▲ 13.9	645	▲ 35.8	568	▲ 42.6	1,018	35.2	1,160	▲ 5.9	1,479	4.5	4,870	▲ 9.7
FUKUSHIMA	568	▲ 21.0	433	▲ 29.4	487	▲ 39.7	512	▲ 42.1	638	▲ 19.2	1,064	59.3	3,134	▲ 16.7
3 Prefectures Total	1,579	▲ 19.2	1,349	▲ 33.3	1,377	▲ 40.3	1,862	▲ 15.0	2,374	▲ 3.6	3,163	22.9	10,125	▲ 12.4
Prefectures other than 3	61,840	▲ 1.9	65,408	1.3	62,349	8.2	70,825	6.5	81,024	22.1	78,823	13.7	358,429	10.5

Source) MLIT

(2) Trends in Private Sector Non-Residential Construction Investment

(Shift towards mild recovery in private sector non-residential construction investment)

Since the earthquake, negative growth is continuing for real private sector corporate facilities (Cabinet Office, GDP 2nd Preliminary Estimates) with decreases of 1.4% in the January to March quarter of 2011 and 0.9% in the April to June quarter of 2011. However, advance indicators such as the indices of industrial production and the results of statistical surveys such as “Orders Received for Machinery” suggest that capital investment will recover along with the recovery in production activities.

Although the RICE forecast published towards the end of October 2011 raises concerns about the effects of power supply restrictions, as mentioned above, as all statistical materials suggest a recovery in corporate production activities, private sector capital investment is predicted to maintain an underlying recovery trend from mid FY2011, and with regards to private sector non-residential construction investment, a trend of mild recovery is forecast for FY2011 and FY2012. As shown in Figure 10, when looking at this from an investment amount basis, a 4.9% increase over the previous year in nominal private sector non-residential investment, a 1.6% increase in nominal private sector civil engineering investment and a 3.6% increase in nominal private sector non-residential construction investment is forecast for FY2011. In addition, for FY2012, year-on-year increases of 3.0% in nominal private sector non-residential investment, 3.5%

in nominal private sector civil engineering investment and 3.2% in nominal private sector non-residential construction investment is forecast.

Figure 10 Trends in Private-Sector Non-Residential Construction Investment (FY)

F.Y.	1995	2000	2005	2007	2008	2009 (Tentative)	2010 (Tentative)	2011 (Forecast)	2012 (Forecast)
Nominal private non-residential construction investment	195,053	159,591	141,680	141,477	150,470	121,900	121,200	125,600	129,600
(rate of change from previous F.Y.)	-1.8%	0.7%	4.0%	-4.3%	6.4%	-19.0%	-0.6%	3.6%	3.2%
Nominal private non-residential building investment	110,095	93,429	92,357	91,666	99,888	76,400	76,200	79,900	82,300
(rate of change from previous F.Y.)	-6.8%	-0.5%	3.4%	-6.4%	9.0%	-23.5%	-0.3%	4.9%	3.0%
Nominal private civil-engineering investment	84,958	66,162	49,323	49,811	50,582	45,500	45,000	45,700	47,300
(rate of change from previous F.Y.)	5.6%	2.5%	5.3%	-0.2%	1.5%	-10.0%	-1.1%	1.6%	3.5%
Real private non-residential investment	678,812	729,631	831,995	877,880	817,567	706,039	736,315	739,185	774,050
(rate of change from previous F.Y.)	3.1%	7.2%	6.2%	0.8%	-6.9%	-13.6%	4.3%	0.4%	4.7%

(100 million Yen)

Source) Cabinet Office, MLIT, RICE

(Favourable floor area for private-sector non-residential starts in recent months)

Looking at the floor area for private-sector non-residential starts after the July forecast, the total for April to August of FY2011 shows a favourable trend with a year-on-year increase of 16.0% (Figure 11).

When looking at values according to usage, “Warehouses” and “Healthcare/Welfare” both showed significant year-on-year increases of 43.2% and 52.0% respectively, and “Factories” also showed an underlying increasing trend with a year-on-year increase of 14.0%. In addition, “Offices”, which had maintained a decreasing trend since FY2010, is also showing movement towards recovery from FY2011 with the total for April to August showing a year-on-year increase of 9.7%. Meanwhile, although “Shops” showed a temporary recovery in June, this shifted back to decrease in July, and this continued in August with a two digit percentage year-on-year decrease. The total for April to August showed a year-on-year decrease of 9.1%.

With regards to forthcoming corporate capital investment plans, according to the “Emergency Survey on the State of Industry following the Great East Japan Earthquake ②” published by METI³ in August 2011, more than 80% of both manufacturing industry and non-manufacturing industry respondents stated that capital investment plans for FY2011 were practically the same as plans drafted before the earthquake, and with regards to investments levels, 74% of manufacturing industry companies and 32% of non-manufacturing industry companies answered that the investment amount would be greater in comparison to FY2010. In addition, the “Survey on Planned Capital Spending for Fiscal Years 2010, 2011 and 2012”, published on August 11 by the Development Bank of Japan Inc., also shows a 12.5% increase for manufacturing industry

³ Ministry of Economy, Trade and Industry

companies and a 4.6% increase for non-manufacturing industry companies for planned capital spending for FY2011, giving an overall year-on-year increase of 7.3%. These survey results are indicative of the strength of corporate capital investment motivation. However, due care will be needed as it will be difficult to connect this to private-sector non-residential construction investment if the weight of maintenance and repair in capital investment is high. Furthermore, if under-performance risk factors affecting corporate activities such as yen appreciation, slow-downs in overseas economies and domestic power supply restrictions become stronger, there is a possibility that recent favourable conditions may still result in under-performance.

Figure 11 Comparison of Floor-area for Private Sector Non-Residential Starts

(1,000 m², %)

F. Y.	Total		Office		Shop		Factory		Warehouse		Healthcare /Welfare	
	floor -area	rate of change	floor -area	rate of change	floor -area	rate of change	floor -area	rate of change	floor -area	rate of change	floor -area	rate of change
2008	53,454	-7.6	7,688	14.8	8,249	-36.3	12,579	4.7	7,554	-4.6	4,675	-15.8
2009	34,859	-34.8	6,366	-17.2	5,504	-33.3	5,446	-56.7	3,990	-47.2	4,199	-10.2
2010	37,403	7.3	4,658	-26.8	5,726	4.0	6,405	17.6	4,234	6.1	7,838	86.7
Apr-Aug(2008)	24,925	-12.6	3,294	8.4	4,230	-25.2	6,046	2.0	3,713	-17.5	1,730	-30.9
Apr-Aug(2009)	14,423	-42.1	2,333	-29.2	2,511	-40.6	2,484	-58.9	1,691	-54.5	1,379	-20.3
Apr-Aug(2010)	15,558	7.9	1,870	-19.9	2,717	8.2	2,603	4.8	1,796	6.2	2,783	101.8
Apr-Aug(2011)	18,046	16.0	2,050	9.7	2,471	-9.1	2,968	14.0	2,572	43.2	4,230	52.0

Source) MLIT

(Decreasing trend in floor area for private-sector non-residential starts in the three disaster-affected prefectures)

Figure 12 shows previous year comparisons with regards to floor area for non-residential starts (public/private totals) for Japan and for the three disaster-affected prefectures of Iwate, Miyagi and Fukushima since March 2011.

On a nationwide basis, the floor area for non-residential starts from April to August of FY2011 showed a 14.0% increase over the previous year.

Of this, the three disaster affected prefectures showed an overall 11.6% year-on-year decrease, with 11.9%, 12.6% and 10.3% decreases in Iwate, Miyagi and Fukushima respectively, indicating an underlying decreasing trend in each prefecture. From March onwards, Fukushima prefecture has recorded a consistent year-on-year reduction, while Miyagi prefecture has experienced repeated significant rises and falls with a significant year-on-year decrease of 47.7% in August. Iwate prefecture continued a negative year-on-year trend up to July, but shifted to the positive in August

with a year-on-year increase of 3.6%.

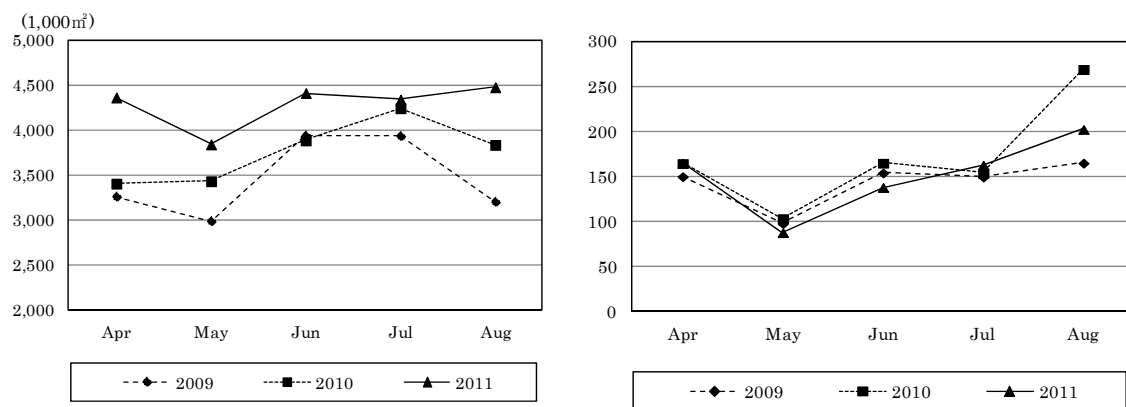
The April to August total for prefectures other than the three disaster-affected prefectures shows a year-on-year increase of 15.2%, and year-on-year figures have remained positive from April onwards. Although the increase rate declined in July, August showed a 19.8% year-on-year increase, indicating another significant rise. Furthermore, due attention will be needed as works scheduled to start in March were postponed to April due to the effects of the earthquake.

Figure 12 Trends in Floor Area for Non-Residential Starts (Public/Private Totals) for Japan and for the Three Disaster-Affected Prefectures

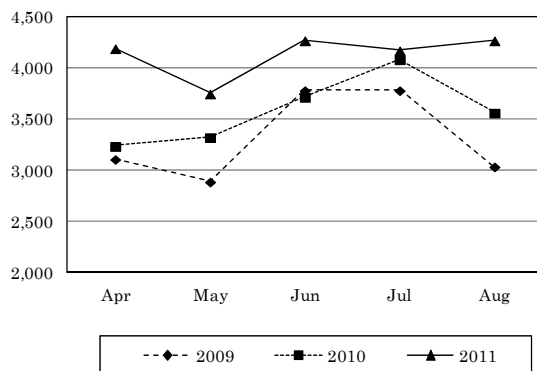
	Mar		Apr		May		Jun		Jul		Aug		Mar-Aug	
	floor -area (m ²)	rate of change (%)	floor -area (m ²)	rate of change (%)	floor -area (m ²)	rate of change (%)	floor -area (m ²)	rate of change (%)	floor -area (m ²)	rate of change (%)	floor -area (m ²)	rate of change (%)	floor -area (m ²)	rate of change (%)
Nationwide	4,067,909	▲ 2.2	4,361,207	28.1	3,841,670	11.9	4,411,450	13.5	4,338,069	2.3	4,475,494	16.7	21,427,890	14.0
IWATE	20,964	▲ 7.9	30,077	▲ 21.0	16,553	▲ 43.5	47,352	▲ 5.9	46,750	▲ 12.3	66,377	3.6	207,109	▲ 11.9
MIYAGI	59,999	4.7	52,221	37.8	43,055	13.8	46,056	▲ 34.1	69,681	81.1	74,733	▲ 47.7	285,746	▲ 12.6
FUKUSHIMA	62,835	▲ 14.5	82,787	▲ 6.8	28,564	▲ 22.0	44,779	▲ 0.2	46,458	▲ 25.3	61,348	▲ 0.8	263,936	▲ 10.3
3 Prefectures Total	143,798	▲ 6.4	165,085	0.2	88,172	▲ 15.0	138,187	▲ 16.3	162,889	5.8	202,458	▲ 24.7	756,791	▲ 11.6
Prefectures other than 3	3,924,111	▲ 2.1	4,196,122	29.5	3,753,498	12.8	4,273,263	14.9	4,175,180	2.1	4,273,036	19.8	20,671,099	15.2

Source) MLIT

Figure 13 Trends in Floor Area for Non-Residential Starts (Public/Private Totals) by region (Nationwide) (Three disaster-affected prefectures)



(Prefectures other than the three disaster-affected prefectures)



Source) MLIT

(3) Trends in Government Construction Investment

(Government construction investment bottoms out due to supplementary budgets, etc.)

The RICE forecast published in late October predicted government construction investment for FY2011 to be 18.78 trillion yen, an increase of 13.3% over the previous year (actual 12.9% increase) (Figure 14). Under the premise that the rate of growth over the previous year in public works expenditure for FY2011 coupled with the effects of zero government bonds was a 6.0% decrease, and the growth rate of local government financed projects over the previous year was a 4.6% decrease, the allocation and implementation of multiple supplementary budgets for restoration and reconstruction in disaster-affected regions following the Great East Japan Earthquake is a contributory factor of the significant increases. Furthermore, with regards to the construction investment amount for all supplementary budgets for FY2011, the total amount is assumed to be about 6 trillion yen.

In addition, with regards to FY2012, construction investment is forecast to be 18.99 trillion yen, a year-on-year increase of 1.1% (actual 1.0% increase). The contributory factors in this increase are; while public works expenditure and local government financed works costs in the initial budget for the country for FY2012 were assumed to be about the same as for the previous year, an equivalent amount of carry-over from FY2011 supplementary budgets is expected, and furthermore, since continued investment in FY2012 for the restoration/reconstruction of disaster-affected areas is assumed to be essential, an extra disaster related budget amount of 3 trillion yen was added.

Furthermore, the above public works costs related to the restoration and reconstruction activities following the great earthquake are purely values assumed by RICE, and while it is unclear as to whether these amounts are sufficient for restoration and reconstruction, whether these amounts will actually be allocated in the budgets will depend on Diet deliberations, etc. on government revenues

and expenditure.

Figure 14 Trends in Government Construction Investment (FY)

F. Y.	1995	2000	2005	2007	2008	2009 (Tentative)	2010 (Tentative)	2011 (Forecast)	2012 (Forecast)
Nominal public construction investment (rate of change from previous F.Y.)	351,986 5.8%	299,601 -6.2%	189,738 -8.9%	169,463 -4.8%	167,177 -1.3%	173,700 3.9%	165,800 -4.5%	187,800 13.3%	189,900 1.1%
Nominal public building investment (rate of change from previous F.Y.)	56,672 -12.5%	40,004 -12.0%	20,527 -13.9%	19,507 -4.6%	20,670 6.0%	22,100 6.9%	22,200 0.5%	27,800 25.2%	25,000 -10.1%
Nominal public civil-engineering investment (rate of change from previous F.Y.)	295,314 10.3%	259,597 -5.2%	169,211 -8.3%	149,956 -4.8%	146,507 -2.3%	151,600 3.5%	143,600 -5.3%	160,000 11.4%	164,900 3.1%
Real public construction investment (rate of change from previous F.Y.)	347,856 5.5%	300,719 -6.5%	189,738 -10.2%	162,331 -7.1%	154,356 -4.9%	165,894 7.5%	157,527 -5.0%	177,800 12.9%	179,500 1.0%

(100 million Yen, %)

Source) MLIT, RICE

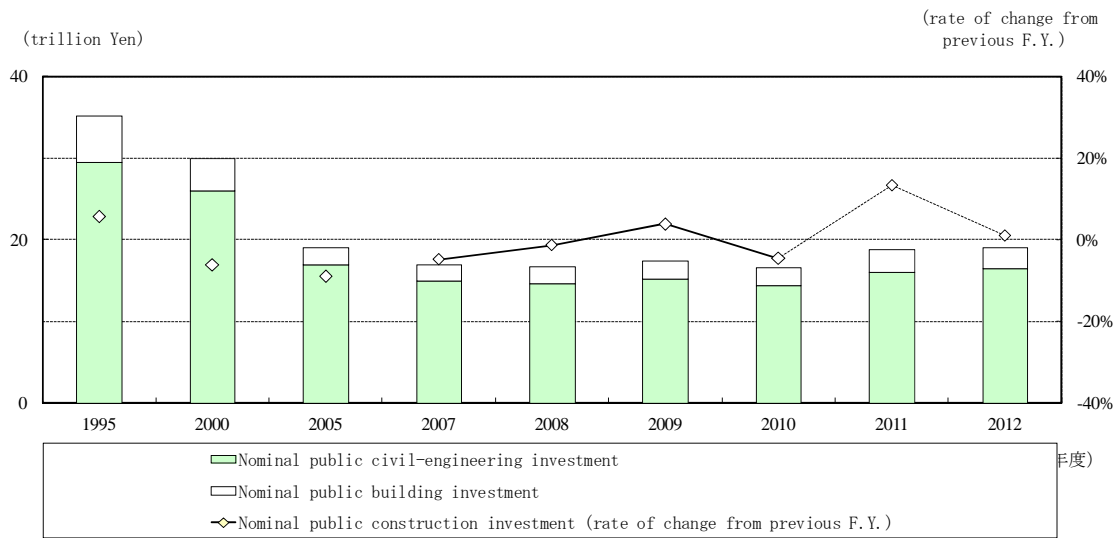
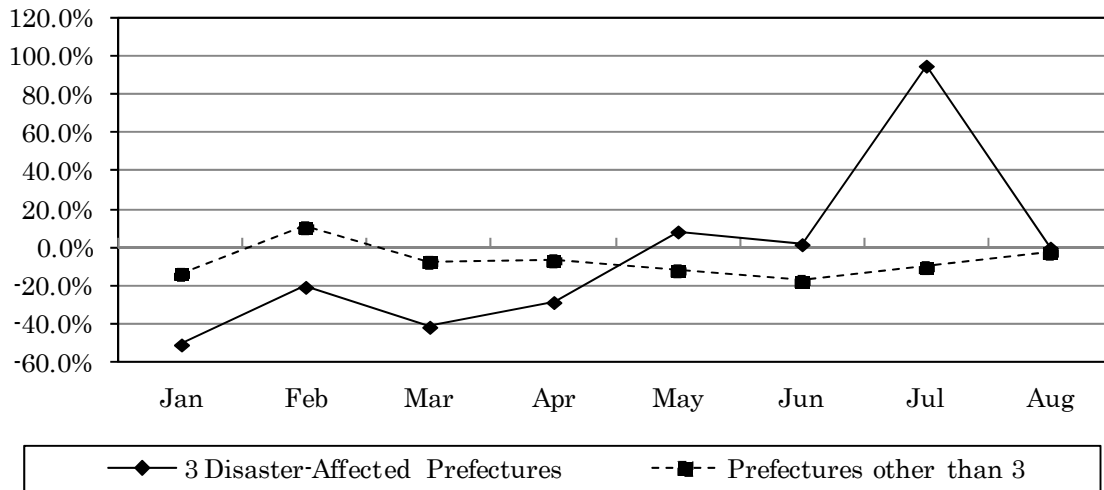


Figure 15 shows year-on-year trends in order volumes for public works in the three prefectures of Iwate, Miyagi and Fukushima and other prefectures.

Due to the effects of restoration/reconstruction investment, etc. the order volumes of the three disaster-affected prefectures has followed an underlying recovery trend since April, with a significant year-on-year increase of 95.0% in July. Meanwhile, with regards to prefectures other than the three disaster-affected prefectures, year-on-year reductions have continued since March. This is considered due to the effects of the reservation of 5% of public works expenditure in the FY2011 budget (the reservation was released October 7). However, the August order volumes for the three disaster-affected prefectures were at about the same levels as those of the previous year.

Figure 15 Year-on-Year Trends in Order Volumes for Public Works in the Three Disaster-Affected Prefectures and other Prefectures.



Source) MLIT

Although discussions for the 3rd FY2011 supplementary budget for full-scale restoration and reconstruction are currently in progress, the total amount demanded by MLIT on a works costs basis is 1.203 trillion yen. Of this amount, reports indicate that 0.401 trillion yen will be allocated to restoration costs and 0.453 trillion will be allocated to reconstruction costs related to the Great East Japan Earthquake. In addition, with regards to approximate demands in the FY2012 initial budget, on a national expenditure basis MLIT has demanded a total amount of 5.1061 trillion yen, a 2% increase over the previous year. Of this amount, 4.4837 trillion yen is for public works expenditure, a 5% increase over the previous year, while another 1.1098 trillion yen has been demanded for total costs related to restoration/reconstruction measures. Although an increase in government construction investment due to reconstruction demand is expected, continued attention should be paid to the preparation status of the 3rd FY2011 supplementary budget and the FY2012 initial budget.

(4) Trends in Overall Construction Investment

In October, RICE forecast FY2011 construction investment to increase by 8.5% over the previous year to 44.64 trillion yen, and for FY2012, a further 2.9% increase over the previous year to 45.93 trillion yen (Figure 16 and Figure 17).

As previously stated, with regards to government construction investment, increases due to post-earthquake reconstruction are expected. Meanwhile, with regards to private-sector construction investment, although recent figures are favourable, there are concerns over the effects

of sharp yen appreciation, the slowdown of overseas economies and the acceleration of companies transferring overseas, and attention to these trends must be maintained.

Figure 16 Trends in Nominal Construction Investment (FY)

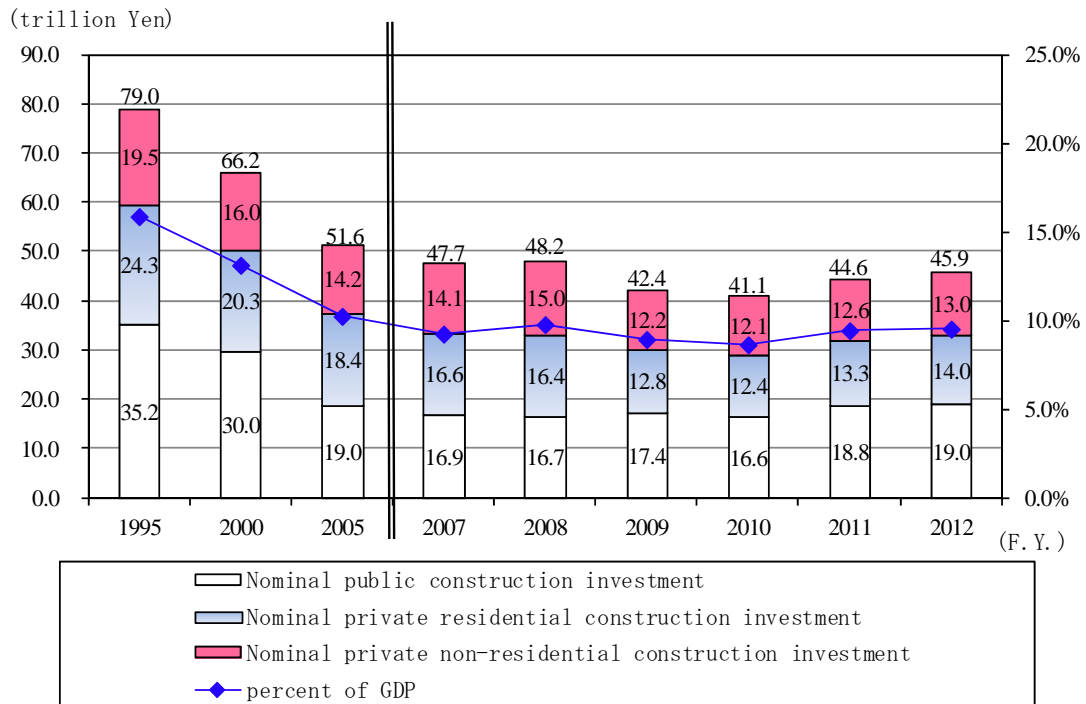


Figure 17 Trends in Construction Investment (FY)

F.Y.	1995	2000	2005	2007	2008	2009 (Tentative)	2010 (Tentative)	2011 (Forecast)	2012 (Forecast)
Nominal construction investment(total)	790,169	661,948	515,676	476,961	481,517	424,000	411,300	446,400	459,300
(rate of change from previous F.Y.)	0.3%	-3.4%	-2.4%	-7.1%	1.0%	-11.9%	-3.0%	8.5%	2.9%
Nominal public construction investment	351,986	299,601	189,738	169,463	167,177	173,700	165,800	187,800	189,900
(rate of change from previous F.Y.)	5.8%	-6.2%	-8.9%	-4.8%	-1.3%	3.9%	-4.5%	13.3%	1.1%
(contribution)	2.5	-2.9	-3.5	-1.7	-0.5	1.4	-1.9	5.3	0.4
Nominal private residential investment	243,129	202,756	184,258	166,021	163,870	128,400	124,300	133,000	139,800
(rate of change from previous F.Y.)	-5.2%	-2.2%	0.3%	-11.5%	-1.3%	-21.6%	-3.2%	7.0%	5.1%
(contribution)	-1.7	-0.7	0.1	-4.2	-0.5	-7.4	-1.0	2.1	1.5
Nominal private non-residential investment	195,053	159,591	141,680	141,477	150,470	121,900	121,200	125,600	129,600
(rate of change from previous F.Y.)	-1.8%	0.7%	4.0%	-4.3%	6.4%	-19.0%	-0.6%	3.6%	3.2%
(contribution)	-0.4	0.2	1.0	-1.2	1.9	-5.9	-0.2	1.1	0.9
Real construction investment(total)	779,352	663,673	515,676	456,076	445,959	406,537	392,893	423,800	435,400
(rate of change from previous F.Y.)	0.2%	-3.6%	-3.5%	-9.4%	-2.2%	-8.8%	-3.4%	7.9%	2.7%

(100 million Yen)

Source) MLIT, RICE

Economic Indicators					
	2007	2008	2009	2010	(Forecast) 2011
GDP (real, year(2000), billion yen)	560,651	554,118	519,300	539,893	538,624
GDP (nominal, year, billion yen)	515,520	504,378	470,937	479,176	469,268
GDP growth (year, %)	2.4%	-1.2%	-6.3%	4.0%	-0.2%
Agriculture, forestry, and fishery	4.2%	5.4%	-10.9%	-	-
Manufacturing	4.0%	-0.5%	-19.7%	-	-
Services	2.9%	0.4%	-3.6%	-	-
Mining	-25.0%	-14.2%	-36.5%	-	-
Construction	-3.0%	-6.1%	-0.6%	-	-
Demographic Indicators					
Population (year, thousands)	127,771	127,692	127,510	128,056	127,630
Population growth rate (year, %)	0.00%	-0.06%	-0.14%	0.43%	-0.33%
Total labor force (year, thousands)	66,690	66,500	66,170	65,900	66,050
Labor force growth rate (year, %)	0.18%	-0.28%	-0.50%	-0.41%	0.23%
Unemployment rate (year, %)	3.9%	4.0%	5.1%	5.1%	4.8%
Inflation rate (year, %)	0.7%	2.1%	0.7%	0.0%	-0.1%
Financial Indicators					
Interbank interest rate	0.86	0.7425	0.4636	0.34	0.3364
Short-term interest rate (%)	0.459	0.103	0.094	0.079	0.075
Long-term interest rate (%)	1.478	1.382	1.246	1.189	1.084
Exchange rate against US\$	117.78	103.36	93.60	87.75	76.70

(Unit: bil, yen)

Breakdown of Construction Contract

Type of Contract	2007	2008	2009	2010	2011.9
Public Project					
Building	2,237	2,424	2,501	2,730	1,772
Infrastructure	6,785	7,132	7,094	5,818	4,298
Mechanical & Electrical Works	767	601	747	689	506
Sub-Total	9,789	10,157	10,342	9,237	6,576
Growth rate (year, %)	-2.7%	3.8%	1.8%	-10.7%	
Private Project					
Building	30,510	28,245	21,004	21,555	16,583
Mechanical & Electrical Works	8,445	8,004	7,136	7,736	5,053
Mechanical & Electrical Works	3,975	4,111	3,221	3,070	2,635
Sub-Total	42,930	40,360	31,361	32,361	24,271
Growth rate (year, %)	1.5%	-6.0%	-22.3%	3.2%	
Total					
Building	32,747	30,669	23,505	24,285	18,355
Infrastructure	15,230	15,136	14,230	13,554	9,351
Mechanical & Electrical Works	4,742	4,712	3,968	3,759	3,141
Sub-Total	52,719	50,517	41,703	41,598	30,847
Growth rate (year, %)	0.7%	-4.2%	-17.4%	-0.3%	

Source: Ministry of Land, Infrastructure, Transport and Tourism of Japan

(Unit: 10 thousand person)

Number of workers in Construction				
	2007	2008	2009	2010
All industries	6,412	6,385	6,282	6,257
Construction	552	537	517	498
Construction worker rate	8.6%	8.4%	8.2%	8.0%

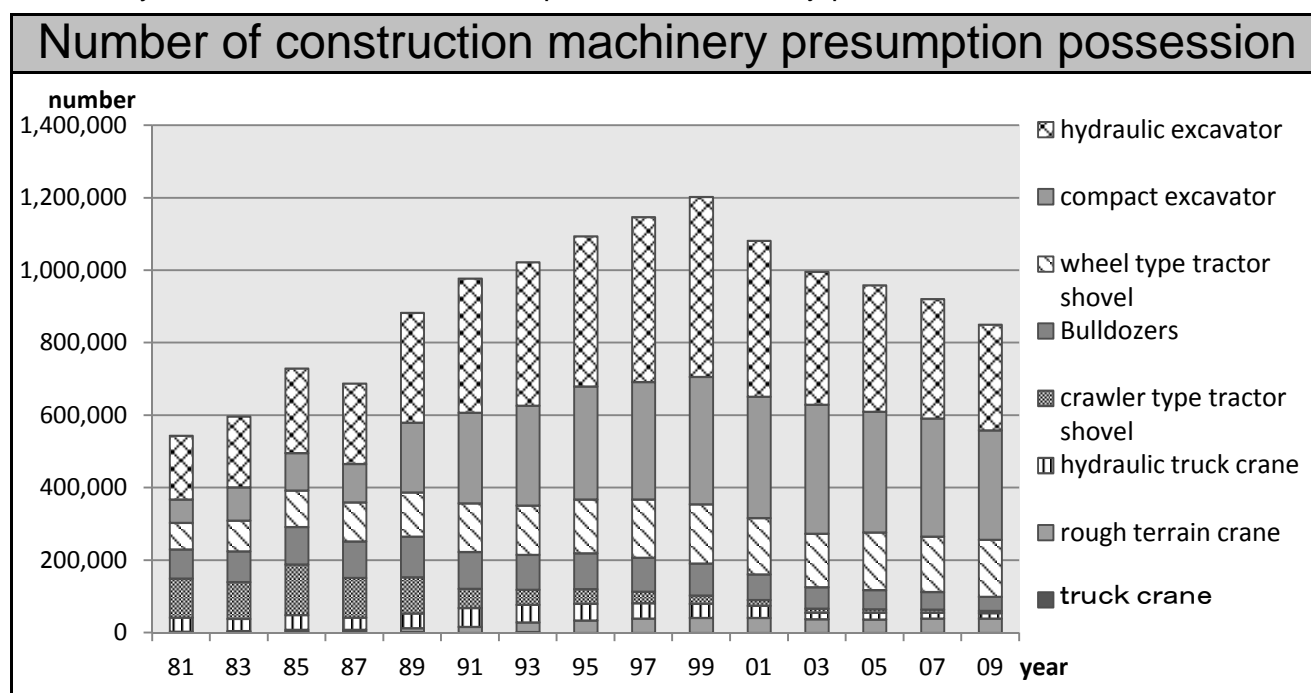
Source: Ministry of Internal Affairs and Communications of Japan

Breakdown of Construction workers				
General construction	218	220	206	
Specialist construction	120	120	112	
Facility	230	241	211	

Ministry of Land, Infrastructure, Transport and Tourism of Japan

Amount Demanded of Construction Material				
	2007	2008	2009	2010
Cement (thousand ton)	55,506	50,087	42,732	41,614
Ready mixed concrete (thousand m3)	111,881	101,009	86,030	85,278
Aggregate (thousand m3)	317,500	285,000	243,750	242,670
crushed stone (thousand m3)	153,620	136,110	118,690	117,030
lumber (thousand m3)	11,912	10,809	9,282	9,498
common steel materials (thousand ton)	24,984	21,240	17,384	18,473
section (thousand ton)	5,614	4,738	3,696	3,791
Light steel bars (thousand ton)	10,508	8,722	7,360	7,450
asphalt (thousand ton)	2,323	1,882	2,302	1,796

Ministry of Land, Infrastructure, Transport and Tourism of Japan



Ministry of Land, Infrastructure, Transport and Tourism of Japan