

Budget Related to Earthquake Research for FY 2009

(unit: million yen)

Organization		FY 2008 Budget	FY 2009 Budget	major points
Ministry of Internal Affairs and Communications	National Research Institute of Fire and Disaster	2	2	* Strong motion observations in the districts of petrochemical industrial complexes - Data communication expenses at strong-motion seismograph installations 2 (2)
	Total	2	2	100% (Compared with FY 2008)
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau	4,850	4,640	* Administration of the Headquarter 740 (837) * Intensive surveys and study on the concentrated strain zone 596 (401) * Evaluation study of continuous movements associated with the Tokai, Tonankai and Nankai 501 (495) * Special project for earthquake disaster mitigation in metropolitan Tokyo area 809 (1,102) * Observation and monitoring systems for earthquakes and tsunamis 1,274 (1,406) * Synthetic promotion of active fault survey 660 (478) * Intensive promotion of earthquake research 62 (131)
	National University Corporation	Subsidy for operation	Subsidy for operation	* Research project on prediction of earthquakes and volcanic eruption - Promotion of observation and research for forecasting earthquake and volcanic eruption - Promotion of observation and research for elucidating earthquake and volcanic eruption - Development of new observation/experiment technology - Maintenance of systems for promotion of programs * International research on earthquakes and volcanoes * Satellite telemeter system for seismic observations #
	National Research Institute for Earth Science and Disaster Prevention	Subsidy for operation	Subsidy for operation	* Although FY 2008 budget was included in subsidy for operation, FY 2009 budget is required as subsidy for facility improvement. * Study for evaluation and forecast of crustal activity by using seismological observation data * Construction of disaster risk information platform (concerning earthquake hazard evaluation)
	Japan Agency for Marine-Earth Science and Technology	Subsidy for operation	Subsidy for operation	* Employment of synthetic, seismic observation at the sea bottom * Study on earth's interior dynamics * Promotion of ocean drilling program
	Total	4,850	4,640	96% (Compared with FY 2008)

Ministry of Economy, Trade and Industry	National Institute of Advanced Industrial Science and Technology	Subsidy for operation	Subsidy for operation	<ul style="list-style-type: none"> * Maintenance of synthetic observation stations, related to groundwater for forecasting Tonankai/Nankai earthquakes * Research on advancing survey and evaluation of important active faults * Study for elucidation of continuity, activity and inhomogeneity of faults with a little evidence at the surface * Study of earthquake generation mechanisms * Development of the long-term evaluation method for inland earthquakes based on the physical model * Research to elucidate history of subduction-zone earthquakes and to estimate damage caused by them * Network administration and research on ground water observatory in the Area under Intensified Measures against Earthquake Disaster and in the vicinity of active faults * Research on advancing forecast of ground motion, displacement and deformation at the surface * Research on improving databases of geological structure beneath plains * Elucidation of coastal geology and active fault, and maintenance of seamless geological information 	
	Total	-	-	- % (Compared with FY 2008)	
Ministry of Land, Infrastructure and Transport	Geographical Survey Institute	2,074	1,999	* Expenses for geodetic baseline bench mark surveys	1,510 (1,599)
				* Expenses for crustal movement surveys	424 (388)
				* Expenses for the investigation of geography related to hazard mitigation (Information Development for nationwide active fault zones)	13 (13)
				* Research on geography and crustal activity related to earthquake research	51 (73)
	Japan Meteorological Agency	4,121	2,299	* Earthquake observation networks, earthquake and tsunami observation system, etc.	1,937 (2,718)
				* Monitoring systems, etc. for Tokai and other areas, {including maintenance of cable type ocean bottom seismographs}	160 (1,100) {785}
			* Collection of data from related organization (unification)	202 (302)	
			* Cost of public relations regarding earthquakes		
Meteorological Research Institute	46	0	* Research on increasing accuracy of forecasting the so-called Tokai earthquake and on preparation process of Tonankai and/or Nankai earthquakes	0 (46)	
Japan Coast Guard	37	105	* Observation and others to reveal the crustal movement leading to the occurrence of the	2 (2)	
			* Observation and others for forecasting simulation and monitoring of crustal activity	92 (24)	
			* Promotion of marine geodetic measurement	12 (11)	
Total	6,278	4,403	70% (Compared with FY 2008)		
Total		11,129	9,046	81% (Compared with FY 2008)	

Furthermore, there are additional policies, the results of which are assumed to make a contribution to the promotion of earthquake research. They are as follows.

Organization		FY 2008 Budget	FY 2009 Budget	major points	
Ministry of Internal Affairs and Communications	National Institute of Information and Communications Technology	Subsidy for operation	Subsidy for operation	* High-efficiency aircraft SAR technology	
	National Research Institute of Fire and Disaster	65	55	* Development of systems for estimates of damage of petroleum tanks during earthquakes	7 (5)
				* Research and development of integrated systems to support fire prevention and disaster mitigation activities during earthquakes	48 (60)
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau, etc.	94	93	* Program to promote education for disaster mitigation	41 (30)
	Japan Agency for Marine-Earth Science and Technology	Subsidy for operation	Subsidy for operation	* Subsidies concerning radiation monitoring, etc.	52 (64)
	National Research Institute for Earth Science and Disaster Prevention	Subsidy for operation	Subsidy for operation	* Promotion of the earth simulator project * Employment of ships	
				* Information platform for disaster risk * Research on earthquake resistance using 3-D Full-Scale Earthquake Testing Facility	
Ministry of Land, Infrastructure and Transport	Ministry of Land, Infrastructure and Transport	Included in each operation	Included in each operation	* Observations and surveys of strong ground motion at river and road facilities	
	Geographical Survey Institute	140	126	* Expenses for study of geography and crustal activity	89 (96)
				* Expenses of geographic research for disaster prevention (Maintenance of precision 3D base map)	37 (44)

Note 1) There may be slight discrepancies in the totals, as tables have been rounded off.

Note 2) Amounts relating to subsidies for operation for the independent administrative institution are not included in the total.

The parentheses on the right of "major points" show the FY 2008 budget.

by the Headquarters for Earthquake Research Promotion

First Supplementary Budget Related to Earthquake Research for FY 2008

(unit: million yen)

Organization		FY 2008 First Supplementary Budget	major points	
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau	1,557	* Observation and monitoring systems for earthquakes and tsunamis	
	National Research Institute for Earth Science and Disaster Prevention	154	* Renovation of facilities for intermediate-depth earthquake observations	49
			* Observatory maintenance for earthquakes of active faults	105
Total		1,711		
Ministry of Economy, Trade and Industry	National Institute of Advanced Industrial Science and Technology	700	* Maintenance of synthetic observation facilities, related to groundwater for forecasting Tonankai/Nankai earthquakes	700
	Total	700		
Ministry of Land, Infrastructure and Transport	Geographical Survey Institute	288	* Survey for disaster recovery (disaster recovery and reconstruction assistance of Iwate-Miyagi Nairiku Earthquake in 2008)	288
	Japan Meteorological Agency	757	* Reinforcement of establishment of seismic intensity observations	757
	Total	1,045		
Total		3,456		

Note) There may be slight discrepancies in the totals, as tables have been rounded off.

by the Headquarters for Earthquake Research Promotion

Second Supplementary Budget Related to Earthquake Research for FY 2008

(unit: million yen)

Organization		FY 2008 Second Supplementary Budget	major points	
Ministry of Land, Infrastructure and Transport	Geographical Survey Institute	864	* Renewal of GPS-based control stations	864
	Japan Meteorological Agency	2,133	* Improvement in accuracy of Earthquake Early Warning	161
			* Maintenance of strain observatories	1,292
			* Maintenance of tsunami observatories	680
Total	2,997			
Total		2,997		

Note) There may be slight discrepancies in the totals, as tables have been rounded off.

by the Headquarters for Earthquake Research Promotion