

## Rough estimated demands of the budget related to Earthquake Research for FY2002

#: Limit of debt which national treasury pays (unit: million yen)

Organization		FY2001 Budget	FY2002 Budget	major points	
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau, etc.	3,909	4,143	* Administration of the Headquarter	763 (819)
				* Subsidy for basic earthquake-related survey	1,305 (1,450)
				* Promotion of focused survey observations	200 (-)
				* Development and maintenance of synthesized observation systems on the deep sea-bed	307 (349)
	National Universities	1,700	1,703	* Solid earth integrated frontier research	1,568 1,095
				* Expenditure expired in the previous FY	- (197)
				* Promotion of observational studies on crustal activity leading to earthquakes	245 (245)
				* Promotion of observational studies for advancing the crustal activity monitoring	10 (10)
				* Development of simulation methodology and observation	23 (23)
				* Operation of observation stations, etc.	1,425 (1,422)
	Independent Administrative Institution National Research Institute for Earth Science and Disaster Prevention	2,066	204	* Facilities for fundamental survey and monitoring of earthquakes	204 (2,066)
		Subsidy for operation	Subsidy for operation	* Operation of earthquake observation network	
				* Research on the method to make seismic hazard map	
				* Research on crustal activities in the Kanto-Tokai district	
				* Research on mechanisms of earthquake occurrence	
	Total	7,676	6,050		
Ministry of Land, Infrastructure and Transport	Minister's Secretariat	96	95	* Development of comprehensive analytical technique for observation of crustal activities, included in the development of improved domestic land management technologies using space and information technology including development of technology	95 (96)
	Geographical Survey Institute	2,012	2,115	* Japanese archipelago precise geodetic survey	1,317 (1,225)
				* Enhancement of observations regarding crustal deformation	480 (552)
				* VLBI(very long-range baseline interferometry) measurements	169 (101)
				* Astronomy survey, leveling survey, gravity survey, etc.	130 (127)
				* Renewal of high-accuracy automatic tidal gauge	19 (6)
	Japan Meteorological Agency	2,454	#115 2,365	* Earthquake observation networks, earthquake and tsunami observation system	#115 1,912 (1,883)
				* Monitoring systems, etc. for Tokai and other areas	148 (145)
				* Collection of data from related organization (unification)	304 (425)
	Japan Coast Guard	184	149	* Observations to reveal the crustal movement leading to the occurrence of the earthquake	18 (21)
				* Observations to improve the monitoring of crustal movements, etc.	62 (61)
				* Promotion of marine geodetic measurement	63 (97)
				* Research into technology for long-term monitoring of ocean floor crustal activity	6 (6)
	Total	4,745	#115 4,724		
Ministry of Economy, Trade and Industry	Independent Administrative Institution National Institute of Advanced Industrial Science and Technology	Subsidy for operation	Subsidy for operation	* Research to evaluate the potential of earthquake on active faults and research into earthquake damage estimation	
	Total	-	-		
	Total	12,421	#115 10,774	86.7% (Compared with FY2001)	

Note 1) Amounts relating to subsidies for operation for the independent administrative institution are not included in the total.

Note 2) Policies for special demand of structural reform are not included.

Note 3) Since these amounts are rounded, the total amounts are not necessarily coincident with the sum of each column.

<Policies for special demand of structural reform>

Organization		FY2001 Budget	FY2002 Budget	major points
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau, etc.	-	Included in 9,550	* Research survey into crustal structures in urban areas, included in the special project of earthquake disaster reduction in megacity areas
Ministry of Land, Infrastructure and Transport	Geographical Survey Institute	-	552	* Establishment of a basic real time GPS system for use by the private sector 438 (-) * Research into advanced technologies for understanding crustal movement in the Tokai region 64 (-) * Research into projections of change over time in the inter-plate coupling in the putative seismic focal region off the coast of Miyagi Prefecture 50 (-)
	Meteorological Research Institute	33	71	* Research using detailed modeling of the process of earthquake generation to improve the precision of earthquake prediction in the Tokai region 71 (33)
	Japan Coast Guard	-	672	* Information technology for the prevention of natural disasters 672 (-)

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		FY2001 Budget	FY2002 Budget	major points
Ministry of Public Management, Home Affairs, Posts and Telecommunications	Independent Administrative Institution Communications Research Laboratory	Subsidy for operation	Subsidy for operation	* Research into global environmental measurement and forecasting technology using high-level analysis of 3-D microwave radar imaging
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau, etc.	#14,784 8,103	7,234	* Study on the ocean floor dynamics 100 (100) #(14,784) * Promotion of deep-sea earth drilling projects 6,805 (7,624) * Research into geoenvironmental changes resulting from continental movements (in collaboration with METI) 98 (168) * Subsidies concerning radiation monitoring, etc. 232 (212)
	Independent Administrative Institution National Research Institute for Earth Science and Disaster Prevention	Subsidy for operation	Subsidy for operation	* Frontier Research on earthquake disaster prevention
	Geographical Survey Institute	50	66	* Research on geography and crustal activities 66 (50)

Note) Since these amounts are rounded, the total amounts are not necessarily coincident with the sum of each column.