平成12年度建設技術研究開発関係予算総括表

（単位：千円）

事項名	前年度予算額(A)	平成12年度予算額(B)	比較増▲減(B－A)	伸び率(B/A)
1.建設技術の研究開発経費（総合技術開発プロジェクト）	1,426,542	1,807,411	380,869	1.27
(1) 生態系の保全・生息空間の創造技術の開発（P16）	104,783	91,145	▲13,638	0.87
(2) 投資効率向上・長期耐用都市型集合住宅の建設・再生技術の開発（P18）	216,426	216,426	0	1.00
(3) 建設事業の品質管理体系に関する技術開発（P20）	189,367	165,114	▲24,253	0.87
(4) 外部コストを組み入れた建設事業コストの低減技術の開発（P22）	179,523	179,523	0	1.00
(5) まちづくりにおける防災評価・対策技術の開発（P24）	167,012	167,012	0	1.00
(6) 地殻活動観測データの総合解析技術の開発（P26）	111,621	111,621	0	1.00
(7) 先端技術を活用した国土管理技術の開発（P28）	141,705	141,705	0	1.00
(8) 木質複合建築構造技術の開発（P30）	94,188	94,188	0	1.00
(9) 災害等に対応した人工衛星利用技術に関する研究（P32）	203,973	203,973	0	1.00
(10) 工業化インフィル住宅の工法等の開発（P34）	17,944	54,444	36,500	3.03
(11) GISを活用した次世代情報基盤の活用推進に関する研究（P36）	0	132,390	132,390	－
(12) 建設分野におけるダイオキシン類汚染土壌対策･廃棄物発生抑制技術の開発（P37）	0	249,870	249,870	－
2.建設技術の先導研究経費	74,509	60,746	▲13,763	0.82
(1) コンクリートの最適な材料設計手法の開発（P38）	14,337	13,334	▲1,003	0.93
(2) 安全と居住性に関する建築構造性能の伝達手法の開発（P39）	11,355	10,498	▲857	0.92
(3) 大規模地震災害等における迅速な応急復旧技術の開発（P40）	9,548	8,548	▲1,000	0.90
(4) 都市型建設技術の開発（P41）	0	14,455	14,455	－
(5) 住宅・市街地計画における総合的な環境負荷低減最適化手法の開発（P42）	0	13,911	13,911	－
(6) 建築構造物の損傷制御設計法の研究	17,032	0	▲17,032	－
(7) 自然作用を活かした共生型川づくりに関する研究	12,917	0	▲12,917	－
(8) 人の感性や地域特性を考慮した社会資本整備手法に関する研究	9,320	0	▲9,320	－
3.研究開発の評価経費	7,484	7,484	0	1.00
4.官民連帯共同研究経費	108,116	123,270	15,154	1.14
(1) 次世代省エネ基準に適合した地域適応型住宅技術の開発（P43）	19,337	19,337	0	1.00
(2) 木造住宅の長寿命化・ストック化技術の開発（P44）	15,871	15,871	0	1.00
(3) 先端技術による新しい鋼構造建築システムの開発（P45）	14,271	14,271	0	1.00
(4) 既設構造物直下地盤の液状化対策技術の開発（P46）	18,949	18,949	0	1.00
(5) 既存コンクリート構造物の高度診断技術の開発（P47）	0	19,785	19,785	－
(6) 用途複合型集合住宅の建設システムの合理化（P48）	0	19,903	19,903	－
(7) 先進的なリサイクル技術の開発（P49）	0	15,154	15,154	－
(8) 地盤環境保全型建設技術の開発	21,470	0	▲21,470	－
(9) 健康的な居住環境形成技術の開発	18,218	0	▲18,218	－
（小計）	1,616,651	1,998,911	382,260	1.24
5.試験研究機関等経費	17,572,115	18,561,090	988,975	1.06
(1) 土木研究所経費	3,834,150	3,991,025	156,875	1.04
(2) 建築研究所経費	2,584,269	2,594,707	10,438	1.00
(3) 国土地理院経費	11,153,696	11,975,358	821,662	1.07
合計	19,188,766	20,560,001	1,371,235	1.07

(注)建設大臣官房技術調査室、土木研究所、建築研究所、国土地理院のみ計上。

Summary of Construction Technology Research and Development-Related Budget Outlays for FY 2000

Item	Budget for fiscal 1999 (A)	Budget for fiscal 2000 (B)	Increase or decrease (B−A)	Ratio of change (B/A)
1.Construction technology R&D (General technology development projects)	¥1,426,542,000	¥1,807,411,000	¥380,869,000	1.27
(1) Development of technology for preservation of ecosystems and creation of new habitation spaces (Page 16)	104,783,000	91,145,000	▲13,638,000	0.87
(2) Development of technology for building and recycling more investment-efficient and longer-lasting urban collective housing (Page 18)	216,426,000	216,426,000	0	1.00
(3) Development of technology related to construction project quality management systems (Page 20)	189,367,000	165,114,000	▲24,253,000	0.87
(4) Development of technology for reducing construction project costs, including external costs (Page 22)	179,523,000	179,523,000	0	1.00
(5) Development of assessment and countermeasure technologies for disaster prevention in town planning (Page 24)	167,012,000	167,012,000	0	1.00
(6) Development of technology for comprehensive analysis of tectonic activity observation (Page 26)	111,621,000	111,621,000	0	1.00
(7) Development of high national land management technology (Page 28)	141,705,000	141,705,000	0	1.00
(8) Development of technology for hybrid timber building structures (Page 30)	94,188,000	94,188,000	0	1.00
(9) Researches on technology utilizing artificial satellites for dealing with disasters (Page 32)	203,973,000	203,973,000	0	1.00
(10) Development of construction method for industrialized infill housing, etc. (Page 34)	17,944,000	54,444,000	36,500,000	3.03
(11) Research on utilization of next generation information infrastructure for GIS (Page 36)	0	132,390,000	132,390,000	—
(12) Research and technological development for the prevention of dioxin contamination and the waste reduction in the construction industry (Page 37)	0	249,870,000	249,870,000	—
2.Pre-project research on leading construction technology	74,509,000	60,746,000	▲13,763,000	0.82
(1) Development of a method of achieving optimum materials design of concrete (Page 38)	14,337,000	13,334,000	▲1,003,000	0.93
(2) Development of technology for communicating information on building structure performance pertaining to safety and livability (Page 39)	11,355,000	10,498,000	▲857,000	0.92
(3) Development of technology for rapid restoration of structures after large-scale earthquakes and disasters (Page 40)	9,548,000	8,548,000	▲1,000,000	0.90
(4) Development of urban construction technology (Page 41)	0	14,455,000	14,455,000	—
(5) Development of methods to comprehensively ease the environmental impacts in housing and urban planning (Page 42)	0	13,911,000	13,911,000	—
(6) Research on design methods for damage control of buildings	17,032,000	0	▲17,032,000	—
(7) Research concerning symbiotic river improvement harmonized with natural functions	12,917,000	0	▲12,917,000	—
(8) Research on methods for creating social infrastructure facilities considering people's sensibilities and regional characteristics	9,320,000	0	▲9,320,000	—
3.R&D evaluation	7,484,000	7,484,000	0	1.00
4.Joint public-private research	108,116,000	123,270,000	15,154,000	1.14
(1) Development of regionally adapted housing technology in conformity with next-generation standards (Page 43)	19,337,000	19,337,000	0	1.00
(2) Development of technology for increasing the life span and the stock of wooden houses (Page 44)	15,871,000	15,871,000	0	1.00
(3) Development of high-technology new steel structure building systems (Page 45)	14,271,000	14,271,000	0	1.00
(4) Development of technological measures to deal with liquefaction of the ground directly under existing structures (Page 46)	18,949,000	18,949,000	0	1.00
(5) Development of effective assessment techniques on soundness of existing concrete structures (Page 47)	0	19,785,000	19,785,000	—
(6) Rationalization of construction system of apartment building for compound usage (Page 48)	0	19,903,000	19,903,000	—
(7) Development of advanced technologies for recycling building materials and components (Page 49)	0	15,154,000	15,154,000	—
(8) Development of soil environment preservation construction technology	21,470,000	0	▲21,470,000	—
(9) Development of technology contributing to a wholesome residential environment	18,218,000	0	▲18,218,000	—
Total	1,616,651,000	1,998,911,000	382,260,000	1.24
5.Testing laboratory	17,572,115,000	18,561,090,000	988,975,000	1.06
(1) Public Works Research Institute	3,834,150,000	3,991,025,000	156,875,000	1.04
(2) Building Research Institute	2,584,269,000	2,594,707,000	10,438,000	1.00
(3) Geographical Survey Institute	11,153,696,000	11,975,358,000	821,662,000	1.07
Total	19,188,766,000	20,560,001,000	1,371,235,000	1.07

Note: Fiscal 2000 figures for the Minister's Secretariat, Engineering Affairs Management Division, Public Works Research Institute, Building Research Institute, and Geographical Survey Institute include only technology development-related spending.