

Scientific Infrastructure Criterion	2016			2017			Ranking 2016/17
	Value	Average	Rank	Value	Average	Rank	
1. Total expenditure on R&D (US\$ millions)	1,955.00	25,682.00	39	2,472.00	25,461.00	36	↑
2. Total expenditure on R&D per GDP (%)	0.48	1.53	51	0.62	1.54	47	↑
3. Total expenditure on R&D per capita (US\$)	30.10	600.00	53	38.00	560.30	52	↑
4. Business expenditure on R&D (US\$ millions)	1,061.00	18,131.00	36	1,736.00	17,479.00	32	↑
5. Business expenditure on R&D per GDP (%)	0.26	0.97	47	0.43	0.95	37	↑
6. Total R&D personnel nationwide (Full-time equivalent: FTE) (FTE thousands)	84.20	195.20	19	89.60	189.80	18	↑
7. Total R&D personnel nationwide per capita (FTE) Per 1000 People	1.30	4.68	49	1.38	4.75	47	↑
8. Total R&D personnel in business enterprise (FTE) (FTE thousands)	39.00	116.70	22	49.00	142.00	19	↑
9. Total R&D personnel in business enterprise per capita (FTE) Per 1000 People	0.60	2.54	42	0.75	2.65	41	↑
10. Researchers in RD per capita (FTE) Per 1000 People	0.60	3.20	49	0.90	3.30	46	↑
11. Science degrees (%) (total first university degrees in Science and engineer)		29.59			29.75		●
12. Scientific articles (Scientific articles published by origin of author)	8,631.00	34,237.00	36	8,631.00	33,285.00	36	●
13. Nobel prizes		9.00	28		8.00	29	↓
14. Nobel prizes per capita		0.19	28		0.19	29	↓
15. Patents applications	1,405.00	45,490.00	39	366.00	47,036.00	52	↓
16. Patents applications per capita	2.17	84.46	52	0.56	81.25	60	↓
17. Patents granted to residents	175.00	19,823.00	47	207.00	19,892.00	47	●
18. Number of patents in force (per 100,000 inhabitants)	3.70	301.20	50	1.30	297.80	59	↓
19. Value added of KTI industries (% of GDP)	19.40	25.60	41	19.30	25.40	42	↓
20. Scientific research (public and private) is high by international standards*	3.88	5.36	45	4.47	5.28	41	↑
21. Researchers and scientists are attracted to your country*	4.18	4.84	38	4.25	4.81	36	↑
22. Scientific research legislation (Law relating to scientific research do encourage innovation)*	4.66	5.37	40	4.90	5.33	38	↑
23. Intellectual property rights are adequately enforced*	4.88	6.31	46	5.00	6.31	47	↓
24. Knowledge transfer is highly developed between companies and universities*	4.41	5.09	38	5.15	5.65	37	↑
25. Innovative capacity of firms to generate new products, processes and/or services is high in your economy*	4.70	5.68	46	5.15	5.65	37	↑
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หมายเหตุ: * ข้อมูลจากการสำรวจความคิดเห็นผู้บริหาร

↑ หมายถึง อันดับดีขึ้น

↓ หมายถึง อันดับแย่ลง

● หมายถึง อันดับคงที่

ที่มา (Source): International Institute for Management Development