

BANGLADESH

GII 2019 rank

116

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
108	117	Lower middle	CSA	166.4	758.2	4,619.8	116

Score/Value		Rank	Score/Value		Rank
INSTITUTIONS	45.5	124 ◇	BUSINESS SOPHISTICATION	20.0	120 ◇
1.1 Political environment	37.2	116 ◇	5.1 Knowledge workers	15.7 [116]	
1.1.1 Political and operational stability*	54.4	111	5.1.1 Knowledge-intensive employment, %	8.3	102
1.1.2 Government effectiveness*	28.7	115 ◇	5.1.2 Firms offering formal training, % firms	21.9	72
1.2 Regulatory environment	44.7	118	5.1.3 GERD performed by business, % GDP	n/a	n/a
1.2.1 Regulatory quality*	20.3	116 ◇	5.1.4 GERD financed by business, %	n/a	n/a
1.2.2 Rule of law*	28.6	102	5.1.5 Females employed w/advanced degrees, %	1.3	105
1.2.3 Cost of redundancy dismissal, salary weeks	31.0	118			
1.3 Business environment	54.5	119 ◇	5.2 Innovation linkages	21.0 82	
1.3.1 Ease of starting a business*	80.8	105	5.2.1 University/industry research collaboration†	26.5	120 ◇
1.3.2 Ease of resolving insolvency*	28.2	123 ◇	5.2.2 State of cluster development	46.8	60 ●
			5.2.3 GERD financed by abroad, %	n/a	n/a
			5.2.4 JV-strategic alliance deals/bn PPP\$ GDP	0.0	78
			5.2.5 Patent families 2+ offices/bn PPP\$ GDP	0.0	93 ◇
HUMAN CAPITAL & RESEARCH	8.8	127 ◇	5.3 Knowledge absorption	23.3 111	
2.1 Education	15.9	127 ◇	5.3.1 Intellectual property payments, % total trade	0.1	103
2.1.1 Expenditure on education, % GDP	1.5	118 ◇	5.3.2 High-tech imports, % total trade	8.0	58 ●
2.1.2 Government funding/pupil, secondary, % GDP/cap...	10.2	97	5.3.3 ICT services imports, % total trade	0.2	120 ◇
2.1.3 School life expectancy, years	11.2	98	5.3.4 FDI net inflows, % GDP	1.1	104
2.1.4 PISA scales in reading, maths, & science	n/a	n/a	5.3.5 Research talent, % in business enterprise	n/a	n/a
2.1.5 Pupil-teacher ratio, secondary	34.0	110 ◇			
2.2 Tertiary education	6.6	118 ◇	KNOWLEDGE & TECHNOLOGY OUTPUTS	16.1	91
2.2.1 Tertiary enrolment, % gross	17.6	97	6.1 Knowledge creation	6.7 [86]	
2.2.2 Graduates in science & engineering, %	11.3	98 ◇	6.1.1 Patents by origin/bn PPP\$ GDP	0.1	111
2.2.3 Tertiary inbound mobility, % ^④	0.1	109 ◇	6.1.2 PCT patents by origin/bn PPP\$ GDP	n/a	n/a
2.3 Research & development (R&D)	4.0	[81]	6.1.3 Utility models by origin/bn PPP\$ GDP	n/a	n/a
2.3.1 Researchers, FTE/mn pop	n/a	n/a	6.1.4 Scientific & technical articles/bn PPP\$ GDP	2.2	110
2.3.2 Gross expenditure on R&D, % GDP	n/a	n/a	6.1.5 Citable documents H-index	10.4	63
2.3.3 Global R&D companies, avg. exp. top 3, mn US\$	0.0	43 ◇			
2.3.4 QS university ranking, average score top 3 [*]	8.0	66	6.2 Knowledge impact	32.9 83	
			6.2.1 Growth rate of PPP\$ GDP/worker, %	4.5	12 ●
			6.2.2 New businesses/th pop. 15-64	0.1	101
			6.2.3 Computer software spending, % GDP	0.2	75
			6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP	0.6	117 ◇
			6.2.5 High- & medium-high-tech manufactures, % ^④	0.1	81
INFRASTRUCTURE	40.0	86	6.3 Knowledge diffusion	8.6 114	
3.1 Information & communication technologies(ICTs)	53.3	90	6.3.1 Intellectual property receipts, % total trade	0.0	103
3.1.1 ICT access*	35.7	109 ◇	6.3.2 High-tech net exports, % total trade	0.2	93
3.1.2 ICT use*	18.7	111 ◇	6.3.3 ICT services exports, % total trade	1.1	78
3.1.3 Government's online service*	78.5	51 ● ◆	6.3.4 FDI net outflows, % GDP	0.0	106
3.1.4 E-participation*	80.3	51 ● ◆			
3.2 General infrastructure	36.6	58 ●	CREATIVE OUTPUTS	15.0	115 ◇
3.2.1 Electricity output, kWh/mn pop	394.8	109	7.1 Intangible assets	29.4 108	
3.2.2 Logistics performance*	24.0	94	7.1.1 Trademarks by origin/bn PPP\$ GDP	13.4	98
3.2.3 Gross capital formation, % GDP	33.7	14 ●	7.1.2 Industrial designs by origin/bn PPP\$ GDP	2.3	49 ●
3.3 Ecological sustainability	30.0	96	7.1.3 ICTs & business model creation†	50.2	103
3.3.1 GDP/unit of energy use	13.3	19 ● ◆	7.1.4 ICTs & organizational model creation†	42.1	107
3.3.2 Environmental performance*	29.6	126 ◇			
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP	0.2	113	7.2 Creative goods & services	0.8 126 ◇	
			7.2.1 Cultural & creative services exports, % total trade	0.1	86
			7.2.2 National feature films/mn pop. 15-69	0.3	101
			7.2.3 Entertainment & Media market/th pop. 15-69	n/a	n/a
			7.2.4 Printing & other media, % manufacturing	0.2	101 ◇
			7.2.5 Creative goods exports, % total trade	0.1	107
MARKET SOPHISTICATION	41.1	96	7.3 Online creativity	0.4 110	
4.1 Credit	32.7	78	7.3.1 Generic top-level domains (TLDs)/th pop. 15-69	0.4	112
4.1.1 Ease of getting credit*	25.0	122 ◇	7.3.2 Country-code TLDs/th pop. 15-69	0.1	117
4.1.2 Domestic credit to private sector, % GDP	47.6	73	7.3.3 Wikipedia edits/mn pop. 15-69	1.0	104
4.1.3 Microfinance gross loans, % GDP	3.0	9 ●	7.3.4 Mobile app creation/bn PPP\$ GDP	0.5	68
4.2 Investment	31.0	117			
4.2.1 Ease of protecting minority investors*	55.0	84			
4.2.2 Market capitalization, % GDP	34.5	43			
4.2.3 Venture capital deals/bn PPP\$ GDP	0.0	73			
4.3 Trade, competition, & market scale	59.5	70			
4.3.1 Applied tariff rate, weighted avg., % ^④	10.7	116 ◇			
4.3.2 Intensity of local competition*	67.5	71			
4.3.3 Domestic market scale, bn PPP\$	758.2	30 ●			

NOTES: ● indicates a strength; O a weakness; ◆ an income group strength; ◇ an income group weakness; * an index; † a survey question. Ⓣ indicates that the economy's data are older than the base year; see Appendix II for details, including the year of the data, at <http://globalinnovationindex.org>. Square brackets [] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.