PAKISTAN INSTITUTE FOR PARLIAMENTARY SERVICES

DEDICATED TO PARLIAMENTARY EXCELLENCE

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GOAL 9: INDUSTRY, INNOVATION AND STRUCTURE

Compiled By

PIPS SDGs Desk

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

To build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

SUSTAINABLE DEVELOPMENT G✪ALS

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A. General Statistics

i. Pakistan ranks at 22nd position worldwide for 263,775 Km length of its road network (13,000 km of National Highways and Motorways, 93,000 km of provincial highways and rest are District and Rural Roads).[1]

ii. Manufacturing sector is the driver of economic growth due to its forward and backward linkages with other sectors of economy. This sector provides employment opportunities to about 16.1% of the total labor force while its share in GDP is around 13-14%.[2]

iii. Manufacturing sector has three sub-sectors: Large Scale Manufacturing (LSM), Small Scale Manufacturing (SSM) and Slaughtering. LSM has 78% share in Manufacturing and 9.5% in GDP whereas Small Scale Manufacturing accounts for 15.2% share in manufacturing and 2.04% share in GDP. Slaughtering has 6.9% share in manufacturing and 0.94% share in GDP.[3]

iv. The share of Industry, Services and Agriculture in GDP for FY 2020 remained 19.29, 61.40 and 19%, respectively.

v. According to German Watch, Pakistan has been ranked globally in the top ten countries most affected by climate change in the past 20 years owing to its geographical location.[4]

vi. According to the Global Climate Risk Index annual report for 2020, Pakistan has lost 0.53% per unit GDP, suffered economic losses worth US$ 3792.52 million and witnessed 152 extreme weather events from 1999 to 2018.[5]

vii. The forestry sector contributed 0.41% of the GDP in 2019-20.[6]

viii. A headcount of 624.5628 researchers were recorded in 2017, working per million inhabitants, out of which 335.58065 have been recorded in 2017 working as fulltime.

ix. A total headcount of 38.8 out of the total number of headcounts researchers recorded in 2017, are women. [7]

x. A total of 92.64% full time researchers were recorded to be working in Higher Education in 2017, and 7.36% in the government.[8]

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[1] Finance Division, *Pakistan Economic Survey 2019-20.*
[2] Finance Division, *Pakistan Economic Survey 2019-20.*
[3] Finance Division, *Pakistan Economic Survey 2019-20.*
[4] Finance Division, *Pakistan Economic Survey 2019-20.*
[5] Finance Division, *Pakistan Economic Survey 2019-20.*
[6] Finance Division, *Pakistan Economic Survey 2019-20.*
[7] UNESCO, *Sustainable Development Goals*, Pakistan.
[8] UNESCO, *Sustainable Development Goals,* Pakistan.

xi. The telecom sector is a significant source of revenue generation for the national treasury. During the first two-quarters of the FY 2020, the telecom sector contributed Rs. 173.22 billion to the national exchequer in terms of taxes, regulatory fees, initial and annual license fees, activation tax, and other charges.[9]

xii. Cellular mobile subscribers (number of active SIMs) in Pakistan reached 16 the end of February 2020, depicting 4.9% growth in eight months.[10]

xiii. Mobile and fixed broadband subscriber stand at 82.2 million in FY 2020.[11]

B. Progress Tracking

Table 9   Status of Indicators-SDG 9

Code	Indicators	Year	Value	Year	Latest Value	Unit	Target by 2030
9.1.1	Proportion of the rural population who live within 2 km of an all-season road.			2017-18	53[12]	%	
9.1.2	Passenger and freight volumes, by mode of transport.			2017-18	Road=94% passenger km; and 98% freight tones km Rail=5% passenger km; and 2% freight tones km[13]	%	
9.2.1	Manufacturing value added as	2014-15	Large Scale Manufactur	2019-20	Large Scale Manufacturi	%	MVA as%

[9] Finance Division, *Pakistan Economic Survey 2019-20*.

[10] Finance Division, *Pakistan Economic Survey 2019-20*.

[11] Finance Division, *Pakistan Economic Survey 2019-20*.

[12] Government of Pakistan, *National Transport Policy of Pakistan 2018, Planning Commission*, (Islamabd: Ministry of Planning, Development & Reform, 2018)

[13] GoP, *National Transport Policy, 2018*.

	a proportion of GDP and per capita.		ing=10.9, Small scale manufacturing=1.73 Slaughtering=0.93[14] (Total MVA as% GDP=13.56) and per Capita=18,489[15]		ng=9.50, Small Scale Manufacturing=2.04, Slaughtering = 0.94.[16] (Total MVA as% GDP=12.48)		GDP= 16.00%, & Per Capita=96,000[17]
9.2.2	Manufacturing employment as a proportion of total employment.	2014-15	Total= 15.33, Male= 12.06, Female=3.27[18]	2019-20	16.1[19]	%	Total= 18.0, Male= 13.0, Female=5.0[20]
9.3.1	Proportion of small-scale industries in total industry value added.	2014-15	8.40[21]	2019-20	15.2[22]	%	16[23]
9.3.2	Proportion of small-scale industries with	2013	6.6[24]				

[14] Finance Division, "Economic and Social Indicators In *Pakistan Economic Survey 2019-20* (Islamabad: Printing corporation of Pakistan Press, 2020).
[15] MoPDR, *Sustainable Development Goals National Framework 2018.*
[16] Finance Division, *Pakistan Economic Survey 2020-21.*
[17] MoPDR, *Sustainable Development Goals National Framework 2018.*
[18] MoPDR, *Sustainable Development Goals National Framework 2018.*
[19] Finance Division, *Pakistan Economic Survey 2020-21.*
[20] MoPDR, *Sustainable Development Goals National Framework 2018.*
[21] MoPDR, *Sustainable Development Goals National Framework 2018.*
[22] Finance Division, *Pakistan Economic Survey 2019-20.*
[23] MoPDR, *Sustainable Development Goals National Framework 2018.*
[24] United Nations Industrial Development Organization Statistics.

	a loan or line of credit.						
9.4.1	CO2 emissions per unit of value added.	2014	1.15[25]	2017	1.41[26]	Kg of CO2 per cons tant 201 5 US doll ars	
9.5.1	Research and development expenditure as a proportion of GDP.	2015	0.246[27] [28]	2017	0.236[29]	%	2.0[30]
9.5.2	Researchers (in full-time equivalent) per million inhabitants.	2015	278.85397 [31]	2017	335.58065[32]	Per milli on	Increase baseline value by 5 times
9.A.1	Total official international support (official	2015	3.764 billion[33]	2018	1.362 billion[34]	US doll ars	

[25] United Nations Industrial Development Organization Statistics.

[26] United Nations Industrial Development Organization Statistics.

[27] World Bank, *World Bank Data Indicators*, https://data.worldbank.org/indicator

[28] MoPDR, *Sustainable Development Goals National Framework 2018.*.

[29] The World Bank, World Bank Data Indicators.

[30] MoPDR, *Sustainable Development Goals National Framework 2018.*

[31] UNESCO, *Sustainable Development Goals*, Pakistan, available at: http://uis.unesco.org/en/country/pk?theme=science-technology-and-innovation

[32] UNESCO, *Sustainable Development Goals*, Pakistan.

[33] MoPDR, *Sustainable Development Goals National Framework 2018.*

[34] The World Bank, *World Bank Data Indicators.*

	development assistance plus other official flows) to infrastructure.					
9.B.1	Proportion of medium and high-tech industry value added in total value added.	2014	24.6[35]	2017	24.6[36]	%	
9.C.1	Proportion of population covered by a mobile network, by technology.	2015-16	68.4[37]	2019-20	79.6[38]	%	

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[35] United Nations Industrial Development Organization Statistics, available at: https://stat.unido.org/SDG/PAK.
[36] United Nations Industrial Development Organization Statistics.
[37] Finance Division, *Pakistan Economic Survey 2019-20*.
[38] Finance Division, *Pakistan Economic Survey 2019-20*.