

# Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



The aim of SDG 9 is to develop quality, reliable, sustainable and resilient infrastructure, support economic development and human well-being, facilitate sustainable and resilient infrastructure development with a focus on affordable and equitable access for all and to promote inclusive and sustainable industrialization among many targets. This goal has 8 targets to measure its progress. A total of 16 indicators have been identified at national level to measure and monitor the progress of these targets. The data is available for 15 indicators.

Number of indicators in NIF (Original)	Number of indicators in NIF (Revised)	Number of indicators Under compilation	Values available at National level	State value is available
18	16	01	15	04

SL	NATIONAL INDICATOR	VALUE OF THE INDICATOR				
		India		Uttar Pradesh		
<b>Target 9.1: Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all</b>						
1	9.1.1: Proportion of the rural population who live within 2 km of an all-season road <i>Source: MIS, NSS, Ministry of Statistics and PI / Periodicity: 3 years</i>	Under compilation				
2	9.1.2: Passenger and freight volumes, by mode of transport <i>Source: (1) Railway Board is data source for passenger movement and freight volumes by Railways (2) Research Wing of Ministry of Road Transport and Highway is data source for passenger movement and freight volumes by</i>	<b>Year</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
		Road Transport (billion Passenger Km/ freight in billion tons km)	15,428/ 2027.40	17,832/ 2260.20	--	-
		Scheduled Indian Airlines(Passenger inmillion/ Cargos	103.82/ 0.88	0124.56/ 0.93	123.32/ 1.07	166.2/ 1.14

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			India		Uttar Pradesh	
	Roads (3) Ministry of Civil Aviation is data source for passenger movement and freight volumes by air / Periodicity: Annual	in million tons) Indian Railways (Passenger in million/ freight in million tonnes)	8107/ 6,55, 605	8,116/ 6,20,858	8,286/ 6,93,281	8439/ 738923
3	9.1.3: Gross Capital Formation by industry of use, (in Rupee crore) <i>Source: NAD, NSO, Ministry of Statistics and PI / Periodicity: Annual</i>		<b>Year</b>	<b>Value</b>		
			2015-16	Current - 42,19,570 Constant - 37,31,740		
			2016-17	Current - 44,76,754 Constant - 39,10,207		
			2017-18	Current - 50,50,201 Constant - 42,76,990		
			2018-19	Current - 58,13,396 Constant - 47,25,381		
<b>Target 9.2: Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry's share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries</b>						
1	9.2.1: Percentage Share of GVA in Manufacturing to Total GVA <i>Source: National Accounts Division, NSO, MoSPI / Periodicity: Annual</i>		<b>Year</b>	<b>Value</b>		
			2015-16	17.07		
			2016-17	16.76		
			2017-18	16.42		
			2017-18	16.1		
2	9.2.2: Manufacturing employment as a proportion of total employment, (in percentage) <i>Source: PLFS, National Sample Survey, NSO, Ministry of Statistics and Programme Implementation / Periodicity: Annual</i>		2017-18	12.1		11.4
			2018-19	12.07		10.51
<b>Target 9.3: Increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets</b>						
1	9.3.1: Share of household sector in total industry value added, (in percentage) <i>Source: NSO, Ministry of Statistics and Programme Implementation / Periodicity: Annual</i>		<b>Year</b>	<b>Value</b>		
			2015-16	43.70		
			2016-17	43.71		
			2017-18	43.91		
			2018-19	43.38		
2	9.3.2: Percentage of credit flow to MSME (as a percentage of Total Adjusted Net Bank Credit), (in percentage) <i>Source: Ministry of Micro, Small and Medium Enterprises / Periodicity: Annual</i>		<b>Year</b>	<b>Value</b>		
			2015-16	18.18		
			2016-17	17.29		
			2017-18	16.84		
			2018-19	17.32		
<b>Target 9.4: By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</b>						
1	9.4.1; CO2 emissions of power sector per unit of GDP (in Tonne/Rupee Crore) <i>Source: CEA, Ministry of Power / Periodicity: Annual</i>		<b>Year</b>	<b>Value</b>		
			2015-16	61.45		
			2016-17	57.71		
2	9.4.2: Energy use intensity of manufacturing value added, (Tonne of Oil Equivalent /000' rupees) <i>Source: Economic Statistics Division, NSO, MoSPI / Periodicity: Annual</i>		<b>Year</b>	<b>Value</b>		
			2016-17	0.0094		
			2017-18	0.0088		

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		2018-19(P)	0.0086	
<b>Target 9.5: Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending</b>				
1	9.5.1: Percentage share of government spending on IPP (Research and Development) to total GDP, <i>Source: National Accounts Division, NSO, MoSPI / Periodicity: Annual</i>	<b>Year</b>	<b>Value</b>	
		2015-16	3.52	
		2016-17	3.82	
		2017-18	3.39	
		2018-19	3.42	
2	9.5.2: Researchers (in full time equivalent) per million population, <i>Source: Ministry of Science and Technology / Periodicity: Annual</i>	<b>Year</b>	<b>Value</b>	
		2015-16	218	
		2017-18	255	
3	9.5.3: Total number of patents issued (granted), in number (similar to Indicator 8.2.2 and 8.3.6) <i>Source: Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry / Periodicity: Annual</i>	<b>Year</b>	<b>Value</b>	
		2015-16	6,326	
		2016-17	9,847	
		2017-18	13,045	
		2018-19	15283	
		2019-20	24936	
<b>Target 9.a: Facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States</b>				
	National Indicator is under development			
<b>Target 9.b: Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment for, inter alia, industrial diversification and value addition to commodities</b>				
1	9.b.1: Share of IPP in total Gross Fixed Capital Formation, (in percentage) <i>Source: NAD, NSO, Ministry of Statistics and Programme Implementation / Periodicity: Annual</i>	<b>Year</b>	<b>Value</b>	
		2015-16	12.26	
		2016-17	13.55	
		2017-18	12.08	
		2018-19	11.80	
2	9.b.3: Share of GVA of Information and Computer related activities in total GVA, (in percentage) <i>Source: NAD, NSO, Ministry of Statistics and Programme Implementation / Periodicity: Annual</i>	<b>Year</b>	<b>Value</b>	
		2015-16	Current price - 4.17 Constant price - 4.54	
		2016-17	Current price - 4.46 Constant price - 4.90	
		2017-18	Current price - 4.26 Constant price - 4.74	
		2018-19	Current price - 4.39 Constant price - 4.87	
<b>Target 9.c: Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries by 2020</b>				
1	9.c.1: Number of Internet Subscriptions as percentage of total population, (in percentage) <i>Source: Department of Telecommunications, Ministry of Communications / Periodicity: Annual</i>	<b>Year</b>	<b>Value</b>	
		2015-16	26.98	5.88 (UP-East)
		2016-17	32.86	7.16 (UP-East)
		2017-18	38.02	7.89 (UP-East)
		2018-19	48.48	9.85 (UP-East)
		2019-20	54.29	10.56 (UP-East)
2	9.c.2: Number of broadband subscribers per 10,000 persons	<b>Year</b>	<b>Value</b>	

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		India		Uttar Pradesh
	Source: Department of Telecommunications, Ministry of Communications / Periodicity: Annual	2015-16	1,179	475.96 (UP-East)
		2016-17	2,152	505.60
		2017-18	3,176	694.39
		2018-19	4,289	904.81
		2019-20	5000.15	987.21