

2023



**ELECTRICAL AND
ELECTRONIC PRODUCTS
SECTOR**

**INDUSTRY
DATA
BOOK**



MINISTRY OF INDUSTRIES

ELECTRICAL AND ELECTRONIC PRODUCTS

MINISTRY OF INDUSTRIES

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Foreword

The 2023 Industrial Data Book represents our commitment to supporting industrialists as they face current economic challenges and strive for sustainable development through improved decision-making. This data book primarily concentrates on the statistical factors that impact economic growth, particularly focusing on export expansion.

The statistical analyses presented in this data book are based on comprehensive statistical data sourced from various institutions, including the Department of Census and Statistics (DCS), the Department of Customs (DoC), the Export Development Board (EDB) and the Central Bank of Sri Lanka (CBSL).

Within this publication, you will find statistical references related to both exports and imports. This includes tables featuring productivity indicators derived from manufacturing establishments and the number of individuals employed in each sector, as well as statistics on key indicators of industrial activity spanning from 2016 to 2020. The data also covers the value of outputs and output components, intermediate consumption values, employment breakdowns by nature, economic indicators categorized by industry class, and import and export statistics.

I extend my gratitude to Mr. Aruna Bandara, Director General of the Planning Division at the Ministry of Industries, and his dedicated team for their unwavering support throughout this project. I would also like to express my sincere appreciation to Mr. Kavishka Heshan, Statistician at the Ministry of Industries, and his team members, Mr. Nirosh Chathuranga Pathiraja and Mr. Shamith Rashmika Jayawardane, for their remarkable dedication and collaborative efforts with the DCS, which helped make this data book a reality.

I firmly believe that the 2023 Industrial Data Book will play a crucial role in shedding light on current and future productivity and economic growth trends within the industrial sectors. It has the potential to significantly influence policymaking in the industry sectors and will be valuable to a wide range of data consumers, including policymakers, economic planners, academics, researchers and other interested parties in the future.

J.M. Thilaka Jayasundara
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Overview

The electrical equipment industry continued its trajectory of growth and development in 2022, contributing significantly to the Sri Lankan economy. Exports reached a record-breaking US \$450 million, showcasing the industry's global competitiveness. The sector was recognized as a pillar of export success within the Electronic & Electrical sector.

Electrical and electronic components (EE components) were the main export earners, generating 64% of total electrical equipment exports. Other significant segments included power generation and distribution equipment, wires and cables, and lighting products. Local companies demonstrated expertise in manufacturing switch gears, transformers, meters, and solar components. India, USA, and Europe remained the leading export destinations for Sri Lankan electrical equipment. The domestic market also witnessed steady growth, fueled by infrastructure development and urbanization.

Sri Lanka has a growing industry for the manufacturing and assembly of electrical equipment such as transformers, switchgear, cables, wires, lighting fixtures, and electrical appliances. Some companies produce these items for domestic consumption, while others export to regional markets. While there is local production of certain electrical equipment, Sri Lanka also imports a significant portion of its electrical products to meet demand. This includes items such as generators, turbines, control panels, meters, and other specialized equipment used in power generation and industrial applications. With the increasing

emphasis on renewable energy development, there is a rising demand for equipment related to solar power, wind power, and other renewable energy sources. This includes solar panels, inverters, batteries, wind turbines, and associated control and monitoring systems.

The electrical grid infrastructure in Sri Lanka requires various equipment for transmission and distribution purposes, including substations, transformers, circuit breakers, insulators, conductors, and protective devices. Modernization and expansion of the grid necessitate investments in advanced equipment and technologies. The demand for electrical equipment in Sri Lanka is influenced by factors such as economic growth, infrastructure development, urbanization, industrialization, and government policies related to energy and electricity. Fluctuations in exchange rates, raw material prices, and global market trends also impact the sector.

The electrical equipment sector in Sri Lanka in 2022 is characterized by a mix of local manufacturing, imports, and increasing demand for modern and sustainable solutions. Continued investments in infrastructure, renewable energy, and technology are expected to drive growth and innovation in the sector.

The electrical equipment industry in Sri Lanka demonstrated resilience and strong performance in 2022. However, addressing challenges and capitalizing on emerging opportunities will be crucial for maintaining its growth trajectory and strengthening its position in the global market.

Table 1 : Manufacture of Electrical Sector Contributions to the GDP at Current and Constant Market Price (2018 - 2022)

Year	Current market price		Constant market price	
	Contribution price (Rs. Mn)	Share (%)	Contribution price (Rs. Mn)	Share (%)
2018	34,377	0.22	33,151	0.25
2019	39,989	0.25	32,624	0.25
2020	43,672	0.28	31,357	0.25
2021	58,105	0.33	36,521	0.28
2022	86,914	0.36	27,600	0.23

Source : Department of Census and Statistics

Figure 2 : Contribution of the Electrical Equipment's and components Industry sector to the share of the manufacturing industry to the GDP

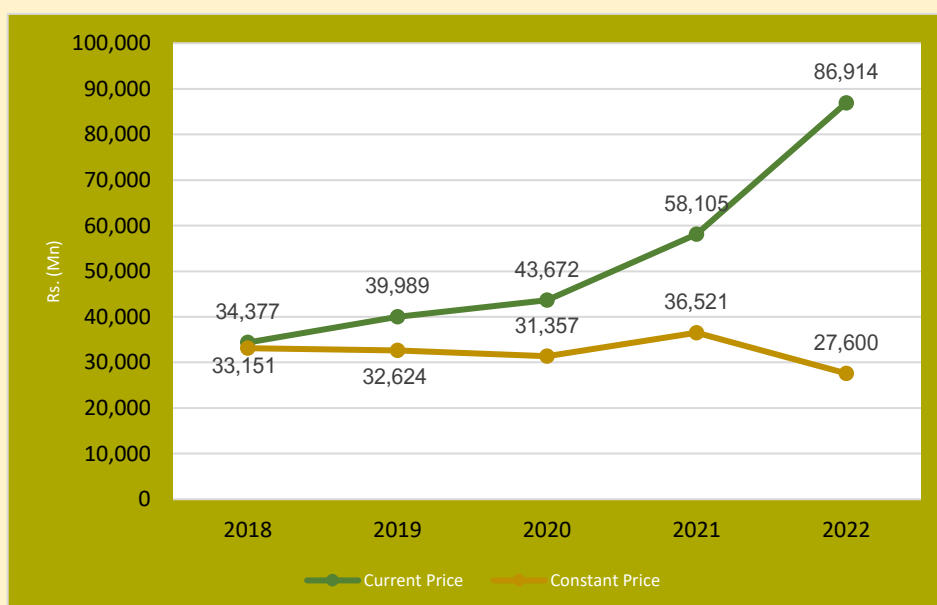


Figure 3 : The Share of the Electrical Equipment's and components Products Industry Sector to the GDP



Table 2 : Manufacturing Establishments and Number of Persons Engaged of Electrical Equipment Industry

Year	Establishments less than 25 persons engaged		Establishments 25 or more persons engaged	
	No. of Establishments	No. of Persons engaged	No. of Establishments	No. of Persons engaged
2016	164	1,220	65	12,906
2017	134	1,068	84	14,320
2018	46	477	63	15,455
2019	38	449	98	14,994
2020	26	235	66	14,660

Source: Department of Census and Statistics, Annual Surveys of Industries

Table 3 : Principal Indicators of Industrial Activity Classified by Industry Division & Persons Engaged Size Class of Manufacture of Electrical Equipment's (2016) - (Establishments with 5 or more persons engaged)

2016								
Size Class	No. of establishments	Persons engaged	Employees	Salary & Wages (Rs.)	Output (Rs.)	Intermediate consumptions (Rs.)	Value added (Rs.)	Gross addition to fixed assets (Rs.)
less than 10	140	700	420	103,640,000	519,852,320	289,019,491	230,832,829	933,120
10 to 99	67	2,966	2,904	814,482,782	8,222,087,019	5,668,329,905	2,553,757,114	878,035,134
100 & above	22	10,460	10,450	5,430,384,008	67,152,010,689	39,935,232,635	27,216,778,054	1,782,859,194
Group total	229	14,126	13,774	6,348,506,790	75,893,950,028	45,892,582,031	30,001,367,997	2,661,827,448

Source: Department of Census and Statistics, Annual Survey of Industries

Table 4 : Principal Indicators of Industrial Activity Classified by Industry Division & Persons Engaged Size Class of Manufacture of Electrical Equipment's (2017) - (Establishments with 5 or more persons engaged)

2017								
Size Class	No of establishments	Persons engaged	Employees	Salary & Wages (Rs.)	Output (Rs.)	Intermediate consumptions (Rs.)	Value added (Rs.)	Gross addition to fixed assets (Rs.)
less than 10	107	554	361	87,610,749	671,004,103	377,733,405	293,270,698	483,525
10 to 99	89	3,651	3,576	1,223,644,298	8,175,733,724	5,293,217,600	2,882,516,125	720,936,022
100 & above	22	11,184	11,175	5,972,827,055	69,029,246,943	40,997,198,699	28,032,048,245	2,571,838,042
Group total	218	15,389	15,112	7,284,082,102	77,875,984,770	46,668,149,704	31,207,835,068	3,293,257,589

Source: Department of Census and Statistics, Annual Survey of Industries

Table 5 : Principal Indicators of Industrial Activity Classified by Industry Division & Persons Engaged Size Class of Manufacture of Electrical Equipment's (2018) - (Establishments with 5 or more persons engaged)

2018								
Size Class	No. of establishments	No. of Persons engaged	No. of Employees	Salary & Wages (Rs.)	Output (Rs.)	Intermediate consumptions (Rs.)	Value added (Rs.)	Gross addition to fixed assets (Rs.)
less than 10	26	144	103	27,413,264	147,174,427	90,089,836	57,084,591	-
10 to 99	56	2,306	2,246	700,769,214	7,310,850,098	4,686,461,077	2,624,389,021	630,700,063
100 & above	27	13,481	13,466	6,509,995,741	75,470,581,964	44,935,136,910	30,535,445,055	2,599,154,152
Group total	109	15,931	15,815	7,238,178,219	82,928,606,489	49,711,687,823	33,216,918,667	3,229,854,215

Source: Department of Census and Statistics, Annual Survey of Industries

Table 6 : Principal Indicators of Industrial Activity Classified by Industry Division & Persons Engaged Size Class of Manufacture of Electrical Equipment's (2019) - (Establishments with 5 or more persons engaged)

2019								
Size Class	No. of establishments	No. of Persons engaged	No. of Employees	Salary & Wages (Rs.)	Output (Rs.)	Intermediate consumptions (Rs.)	Value added (Rs.)	Gross addition to fixed assets (Rs.)
less than 10	17	107	83	20,153,474	84,366,026	55,951,548	28,414,478	748,745
10 to 99	99	3,774	3,642	1,409,142,037	10,468,566,565	5,708,636,343	4,759,930,222	576,498,785
100 & above	20	11,562	11,559	6,033,871,232	79,426,409,205	48,113,144,035	31,313,265,171	3,135,613,239
Group total	136	15,443	15,284	7,463,166,742	89,979,341,796	53,877,731,926	36,101,609,870	3,712,860,768

Source: Department of Census and Statistics, Annual Survey of Industries

Table 7 : Principal Indicators of Industrial Activity Classified by Industry Division & Persons Engaged Size Class of Manufacture of Electrical Equipment's (2020) - (Establishments with 5 or more persons engaged)

2020								
Size Class	No. of establishments	No. of Persons engaged	No. of Employees	Salary & Wages (Rs.)	Output (Rs.)	Intermediate consumptions (Rs.)	Value added (Rs.)	Gross addition to fixed assets (Rs.)
less than 10	19	117	89	26,181,000	140,926,181	57,271,269	83,654,912	800,000
10 to 99	50	2,265	2,238	894,806,316	7,022,074,766	4,562,759,769	2,459,314,997	558,725,245
100 & above	23	12,513	12,506	6,881,137,359	104,503,046,725	63,584,639,527	40,918,407,198	3,753,377,973
Group total	92	14,895	14,833	7,802,124,674	111,666,047,672	68,204,670,564	43,461,377,108	4,312,903,218

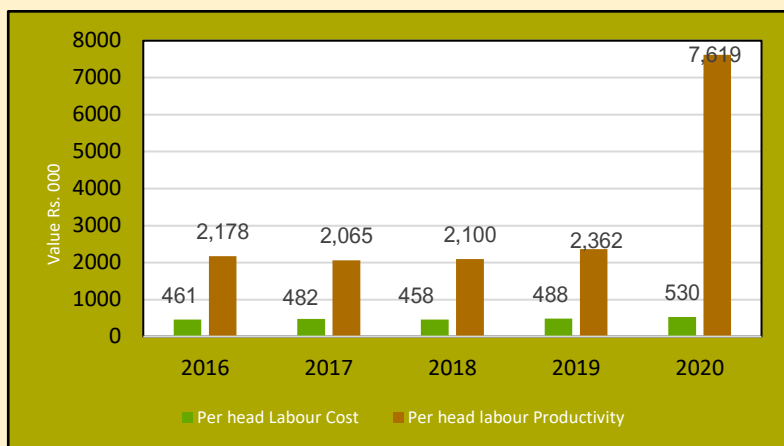
Source: Department of Census and Statistics, Annual Survey of Industries

**Table 8 : Manufacturing of Electrical Equipment's
Per Head Labour Productivity**

Year	Per head Labour Cost	Per head Labour Productivity	Labour Cost to Productivity Ratio
2016	460,905	2,178,116	4.73
2017	482,006	2,065,103	4.28
2018	457,678	2,100,343	4.59
2019	488,289	2,362,052	4.84
2020	529,652	7,618,887	14.38

Source: Department of Census and Statistics,
Annual Surveys of Industries

**Figure 4 : Manufacturing of Electrical Equipment's
Per Head Labour Productivity**



**Table 9 : Value of Output & Output Components Classified by Industry of Electrical Equipment's
(Establishments 25 or more engaged)**

Year	Output (Rs.)	Shipped (Rs)/ products moved of the establishment (Rs.)	Change in Stocks (Rs.)	Industrial services & other revenue (Rs.)
2016	74,448,896,108	73,063,017,890	1,186,532,810	199,345,408
2017	76,432,354,444	73,450,224,063	115,841,376	2,866,289,055
2018	82,528,420,674	80,905,898,452	385,647,759	1,236,874,462
2019	89,393,335,186	88,166,840,898	140,405,834	1,086,088,454
2020	111,456,700,426	109,674,808,178	318,916,936	1,462,975,312

Source: Department of Census and Statistics, Annual Surveys of Industries

**Table 10 : Value of Intermediate consumptions & Intermediate consumptions components classified by
Industry (Establishments with 25 or more persons engaged)**

Year	Intermediate consumption (Rs.)	Raw materials consumed (Rs.)	Cost of industrial services done by others & other payments (Rs.)	Electricity & fuel consumed (Rs.)
2016	44,906,025,770	41,473,047,347	2,521,268,324	911,710,099
2017	45,766,458,537	42,425,366,683	2,516,890,220	824,201,634
2018	49,514,349,769	43,757,994,528	4,023,917,989	1,732,437,253
2019	53,685,876,248	48,299,641,262	3,966,648,643	1,419,586,342
2020	68,113,276,366	62,365,296,798	4,055,033,983	1,692,945,585

Source: Department of Census and Statistics, Annual Surveys of Industries

Table 11 : Employment by nature of employment & gender classified by industry division - Establishment with 25 or more persons engaged

Year	Working Proprietors (No.)		Unpaid family workers (No.)		Operatives (No.)		Other employees (No.)		Total persons engaged	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
2016	49	21	-	2	5,939	3,285	3,047	563	9,035	3,871
2017	36	15	-	2	7,203	3,077	3,437	551	10,676	3,644
2018	32	15	3	6	7,635	3,769	3,340	656	11,009	4,446
2019	41	30	27	14	8,394	2,827	3,186	474	11,649	3,345
2020	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Source: Department of Census and Statistics, Annual Surveys of Industries

Table 12 : Economic indicators of industrial activity classified by industry class - Less than 25 persons

Year	Output per persons engaged (Rs.)	Output per Intermediate Consumption	Output per assets	Value added per persons engaged (Rs.)	Value added per Intermediate Consumption	Value added per assets
2016	1,184,470	1.47	1.64	375,818	0.47	0.52
2017	1,352,139	1.60	0.29	507,593	0.60	0.11
2018	838,934	2.03	0.94	425,257	1.03	0.48
2019	1,303,947	3.05	1.38	877,041	2.05	0.93
2020	891,700	2.29	0.37	502,400	1.29	0.21

Source: Department of Census and Statistics, Annual Surveys of Industries

Table 13 : Economic indicators of industrial activity classified by industry class (Establishments more than 25 persons engaged) – Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus

Year	Output per persons engaged (Rs.)	Output per intermediate consumptions	Output per assets	Value added per persons engaged (Rs.)	Value added per intermediate consumptions	Value added per assets
2016	2,687,426	3.502	2.120	1,919,943	2.502	1.515
2017	3,445,593	2.060	3.143	1,096,213	1.060	1.618
2018	4,545,395	1.746	3.810	1,942,687	0.746	1.628
2019	3,522,901	1.836	4.552	1,603,934	0.836	2.072
2020	4,920,000	1.810	3.980	2,204,500	0.810	1.780

Source: Department of Census and Statistics, Annual Survey of Industries

Table 14 : Economic indicators of industrial activity classified by industry class (Establishments more than 25 persons engaged) – Manufacture of batteries and accumulators

Year	Output per persons engaged (Rs.)	Output per intermediate consumptions	Output per assets	Value added per persons engaged (Rs.)	Value added per intermediate consumptions	Value added per assets
2016	8,231,880	1.417	5.653	2,421,984	0.417	1.663
2017	8,231,880	1.417	5.653	1,456,206	0.417	1.663
2018	9,088,671	1.569	2.412	3,295,077	0.569	0.874
2019	10,016,913	1.639	3.371	3,905,827	0.639	1.315
2020	8,906,100	1.530	3.010	3,072,200	0.530	1.040

Source: Department of Census and Statistics, Annual Survey of Industries

Table 15 : Economic indicators of industrial activity classified by industry class (Establishments more than 25 persons engaged) – Manufacture of wiring and wiring devices

Year	Output per persons engaged (Rs.)	Output per intermediate consumptions	Output per assets	Value added per persons engaged (Rs.)	Value added per intermediate consumptions	Value added per assets
2016	7,636,309	1.609	5.020	2,889,240	0.609	1.899
2017	7,789,304	1.658	5.040	1,545,555	0.658	2.000
2018	7,448,930	1.648	5.455	2,927,928	0.648	2.144
2019	8,042,211	1.641	4.845	3,140,492	0.641	1.892
2020	10,033,600	0.630	5.830	3,866,800	0.630	2.250

Source: Department of Census and Statistics, Annual Survey of Industries

Table 16 : Economic indicators of industrial activity classified by industry class (Establishments more than 25 persons engaged) – Manufacture of electric lighting equipments

Year	Output per persons engaged (Rs.)	Output per intermediate consumptions	Output per assets	Value added per persons engaged (Rs.)	Value added per intermediate consumptions	Value added per assets
2016	3,177,742	1.463	4.344	1,005,435	0.463	1.374
2017	3,500,668	1.464	5.056	692,440	0.464	1.602
2018	5,694,932	2.004	4.364	2,852,733	1.004	2.186
2019	4,620,252	1.642	3.400	1,806,564	0.642	1.330
2020	6,081,300	1.610	3.740	2,293,500	0.610	1.410

Source: Department of Census and Statistics, Annual Survey of Industries

Table 17 : Economic indicators of industrial activity classified by industry class (Establishments more than 25 persons engaged) – Manufacture of domestic appliance

Year	Output per persons engaged (Rs.)	Output per intermediate consumptions	Output per assets	Value added per persons engaged (Rs.)	Value added per intermediate consumptions	Value added per assets
2016	8,723,956	1.572	3.836	3,173,006	0.572	1.395
2017	4,310,406	1.647	1.432	3,010,124	0.647	0.563
2018	5,208,800	1.476	3.017	1,680,788	0.476	0.973
2019	5,672,327	1.705	2.248	2,344,925	0.705	0.929
2020	7,050,400	1.700	2.850	2,889,900	0.700	1.170

Source: Department of Census and Statistics, Annual Survey of Industries

Table 18 : Economic indicators of industrial activity classified by industry class (Establishments more than 25 p – Manufacture of other electrical equipment

Year	Output per persons engaged (Rs.)	Output per intermediate consumptions	Output per assets	Value added per persons engaged (Rs.)	Value added per intermediate consumptions	Value added per assets
2016	1,723,118	1.646	3.764	676,089	0.646	1.477
2017	1,723,118	1.646	3.764	457,828	0.646	1.477
2018	1,721,237	1.674	3.598	692,886	0.674	1.448
2019	1,931,532	1.635	5.197	750,427	0.635	2.019
2020	1,812,800	1.650	3.420	717,000	0.650	1.350

Source: Department of Census and Statistics, Annual Survey of Industries

Table 19 : Electrical & Electronic Imports (2020 - 2022)

Description	Unit	2020		2021		2022	
		Qty.	Value (Rs.)	Qty.	Value (Rs.)	Qty.	Value (Rs.)
Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	No.	705,827,918	144,820,125,867	752,792,186	241,431,266,138	812,106,410	205,049,652,077
Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	kg	84,949,977	99,274,762,053	37,559,446	79,336,989,724	21,289,457	62,208,505,162

Source: Sri Lanka Customs

Table 20 : Electrical & Electronic Exports (2020 - 2022)

Description	Unit	2020		2021		2022	
		Qty.	Value (Rs.)	Qty.	Value (Rs.)	Qty.	Value (Rs.)
Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	No.	49,159,439	5,522,433,04	53,419,316	32,496,432,255	67,439,553	19,288,671,761
Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	kg	11,365,836	40,259,560,969	12,355,991	40,068,004,949	15,937,844	103,289,433,366

Source: Sri Lanka Customs