



Department of
Census and
Statistics



Ministry of Finance
Economics Stabilization
and National Policies

2019 - 2020

SURVEY OF
CONSTRUCTION
INDUSTRIES

FINAL
REPORT

SURVEY OF CONSTRUCTION INDUSTRIES -2019/20

FINAL REPORT

JUNE - 2023

DEPARTMENT OF CENSUS AND STATISTICS

MINISTRY OF FINANCE ECONOMIC STABILIZATION AND NATIONAL POLICIES

PREFACE

The Department of Census and Statistics (DCS) conducted its first Survey on Construction Industries at the request of Institute for Construction Training and Development (ICTAD) in 1993. This institute now functions as the Construction Industry Development Authority (CIDA). The output of the survey revealed that this survey to be continued to produce important economic and labor related indicators of construction sector in the country. Therefore, the Department continued conducting the survey annually and in some instances it was biannual.

This is the 21st survey on construction industry in the series construction surveys in the country. It gives data on input, output, value added, labor engaged in the sector etc.; which are very important for economic policy makers as well as construction industries itself. Moreover, the information of this survey provides valuable inputs to information to formulation the Gross Domestic Product (GDP) for the country. The contribution of construction sector to the GDP is an important indicator which is estimated based on survey findings. According to the Survey of Construction Industries 2019/20, the total estimated Value Added by all type of construction activities in Sri Lanka was Rs.176,652 million.

This report gives estimates only for the construction activities registered under CIDA and the information given by the sector for the reference year 2019. Hope the findings of this report would be very useful to make evidence based decisions for the country.

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The planning and implementation of the survey activities were carried out by Mrs. G.D.N. Munasinghe, Statistician with the support of Ms. W.M.B.K. Nawarathne, statistical officer under the supervision and technical advices of Mrs. U. Maheshwaran, Director of Industry, Construction, Trade & Services Division of the Department of Census & Statistics. Contributions made by following officers are acknowledged with great appreciation.

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- Ms. Nadeeka Arambewela, Ms. Fathima Janeera, ICT Assistant, in preparing this report in a printable format.

Data collection was done by the District Statistical Officers/ Statistical Assistants under the supervision of Deputy Director/ Senior Statisticians/ Statisticians responsible for district statistics functions. Follow up data collection was carried out by the staff of Industry, Construction, Trade & Services Division under the supervision of Senior Statisticians and Statisticians of the Division.

The contribution made by the printing division of the Department of Census and Statistics in printing this report is also acknowledged with gratitude. Finally, the construction industries that were selected for data collection for this survey and extended their support to the DCS by providing their valuable information are highly appreciated.

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Value of work done by type of construction activity in the past 5 years

Type of Construction Activity	Value of work done									
	2015/16		2016/17		2017/18		2018/19		2019/20	
	Rs. Mn.	%	Rs. Mn.	%	Rs. Mn.	%	Rs. Mn.	%	Rs. Mn.	%
Construction of buildings	87,357	32.7	140,900	44.1	104,766	33.8	134,967	42.7	147,714	43.4
Construction of roads and railways	94,755	35.5	106,030	33.2	128,374	41.4	138,963	43.9	111,493	32.7
Construction of utility projects	24,834	9.3	52,642	16.5	57,774	18.6	29,529	9.3	53,344	15.7
Construction of other civil engineering projects	34,524	12.9	7,520	2.4	2,467	0.8	7,246	2.3	2,769	0.8
Demolition and site preparation	1,124	0.4	73	0.0	1,163	0.4	229	0.1	132	0.0
Electrical, plumbing and other construction installation activities	9,880	3.7	9,064	2.8	12,719	4.1	2,558	0.8	24,523	7.2
Building completion and finishing	4,011	1.5	3,089	1.0	2,817	0.9	1,560	0.5	308	0.1
Other specialized construction activities	10,630	4.0	314	0.1	186	0.1	1,396	0.4	400	0.1
Total	267,115	100.0	319,632	100.0	310,266	100.0	316,448	100.0	340,683	100.0

Important Indicators of all construction activities in the past 5 years

Indicator	All construction activities (Rs. Mn)				
	2015/16	2016/17	2017/18	2018/19	2019/20
Value of Contract	567,873	714,195	898,894	870,284	596,730
Value of Work Done	267,115	319,632	310,266	316,448	340,683
Intermediate Consumption	189,422	144,994	177,744	144,994	170,138
Value Added	113,007	231,257	174,229	193,603	176,652
Raw Materials	103,420	82,064	107,758	84,759	95,267
Wages & Salaries	55,352	28,692	21,265	34,875	29,432

Chapter 1

INTRODUCTION

BACKGROUND

A survey on construction industries was conducted in 1993 for the first time in Sri Lanka by the Department of Census and Statistics (DCS) on the request of ICTAD (Institute for Construction Training and Development) presently CIDA (Construction Industry Development Authority). Since then the DCS has been conducting this survey annually but in some instances once in two years for providing important statistical indicators related to the construction sector of the country.

Though it is expected to give indicators related to construction sector in the country this survey has some limitations in coverage. The practical difficulties in obtaining a frame of construction activities carried out in the country in a reference period have influenced the DCS to seek list of contractors from registries. The contractors need to register themselves in CIDA to do their work annually. Therefore, the list of contractors registered in the CIDA is used for selecting a sample to this survey.

The construction activities carried out through foreign companies may not be in the CIDA registration list. But, the sub contracts given by foreign projects to local contractors registered in the CIDA are covered. Collecting data by projects and the expenditure by sub contracts were not met in this survey.

This Construction Survey (2019/20) is the 21st in the series of construction surveys the Department has conducted so far.

SCOPE AND COVERAGE

All construction activities undertaken by the private, government and semi-government contractors who were registered with CIDA are included in the sample frame. For the data collection process the activities were categorized according to the following classification.

1. Construction of buildings
2. Construction of roads and railways
3. Construction of utility projects
4. Construction of other civil engineering projects
5. Demolition and site preparation
6. Electrical, plumbing and other construction installation activities
7. Building completion and finishing
8. Other specialized construction activities

The construction activities done in their own by the householders and the construction activities were not in function during 2019/20 were not covered in this survey.

Chapter 2

METHODOLOGY

FRAME

This survey was done covering the establishments registered with CIDA for the year 2019 by two ways a full enumeration of large contractors and a sample drawn from others for enumeration. The number of establishments considered for full enumeration was 666 and the sample was 355.

COVERAGE

The data were collected according to the different construction activities mentioned above. It was observed that the contractors were not be able to provide information such as intermediate consumption to calculate value added for different type of activities they carried out during the reference year 2019/20. Therefore the questionnaire was simplified to collect data required, for the survey to avoid the burden of the respondents and to get the maximum information from the establishments for data analysis.

INFORMATION COLLECTED

- ♣ Total value of contract
- ♣ Value of work done
- ♣ Value of raw materials consumed
- ♣ Employment and salaries
- ♣ Expenditure for other services
- ♣ Receipts for other services

METHOD OF DATA COLLECTION

Officers of the DCS were sent to the establishments to collect information with the assistance of the companies. It was a tedious task for the officers who were entrusted with this responsibility to get appointment to see the particular respondent of the industry, as they do not like to spend their time to provide necessary information. The response rate of this survey was very low because of this reason several attempts were taken to improve this situation.

CONCEPTS AND DEFINITIONS

Reference Period

Data collected for this survey is related to the construction activities carried out during the calendar year 2019 or financial year (2019 April to 2020 March).

Employment

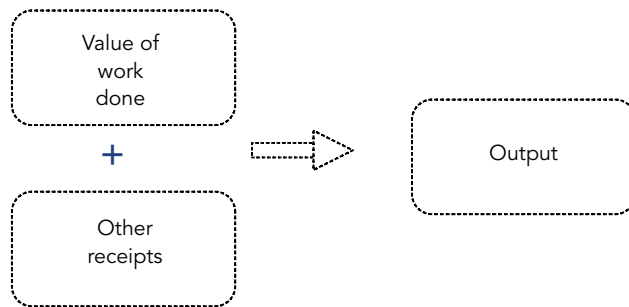
This refers to the average number of persons engaged in construction activities during the reference period, including working proprietors/ active partners, unpaid family workers, operatives, administration/ managerial, technical/ supervisory, clerical and related and all other paid workers.

Salaries Wages

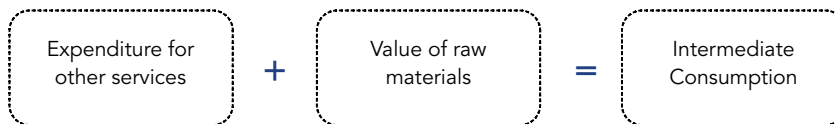
Amounts paid as salaries, wages or sub-contract for the work done during the period.

Output

Value of the work done during the year 2019 (19/20 if financial year is considered)

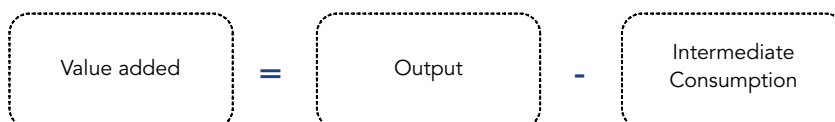


Intermediate Consumption



Value Added

Value added has been defined as the difference between the value of output and value of intermediate consumption.



Chapter 3

SURVEY RESULTS

It should be mentioned that the frame of the survey included the construction industries registered with CIDA in 2019. The results may be excluding the construction industries recently commenced if they are not registered with the CIDA.

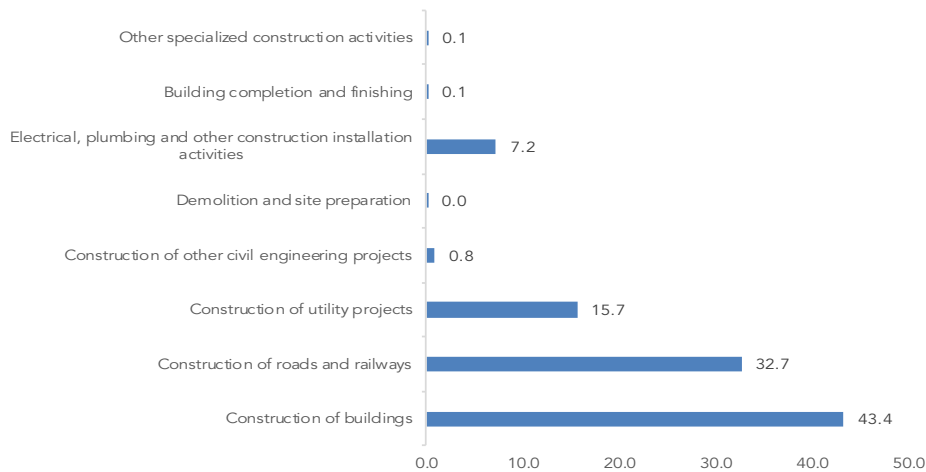
The data analysis reveals the performance of the construction industry during the year 2019/20. The economic related indicators compiled from this survey are described below.

- Total estimated value of work done by all type of construction activities in Sri Lanka was Rs. 340,683 Million.
- The highest contribution (43.4%) to this total value has been made by the construction of consrauction of buildings, which was Rs. 147,714 Million.
- The value of work done for construction of roads and railways was Rs. 111,493 Mn, the percentage of which to the total is around 32.7%.
- Demolition and site preparation recorded the lowest rate (0.0%) to the total work done during the year 2019/20.

Type of Construction Activity	Value of work done (Rs. Mn)	%
Construction of buildings	147,714	43.4
Construction of roads and railways	111,493	32.7
Construction of utility projects	53,344	15.7
Construction of other civil engineering projects	2,769	0.8
Demolition and site preparation	132	0.0
Electrical, plumbing and other construction installation activities	24,523	7.2
Building completion and finishing	308	0.1
Other specialized construction activities	400	0.1
Total	340,683	100.0

Table 3.1 : Distribution of Value of work done by type of construction activity - 2019/20

Figure 3.1
Distribution of Value of work done by type of construction activity - 2019/20



Source:
Department of Census and Statistics, Sri Lanka



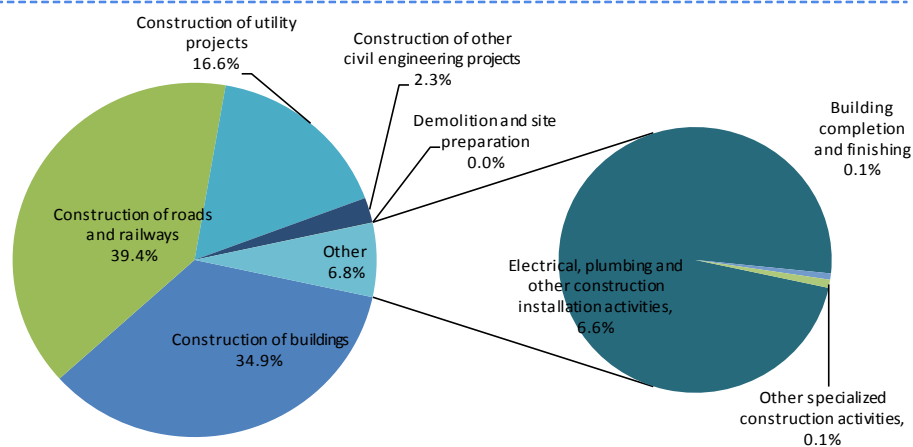
Total value of contract : The total value of the project is termed as the value of contract as the data collection is done from the contractors. This contract may take more than one year. The value of work done during the reference year is a part of the total value of the contract in some projects which last for more than one year

Type of Construction Activity	Value of Contract (Rs. Mn)	%
Construction of buildings	208,457	34.9
Construction of roads and railways	235,250	39.4
Construction of utility projects	98,967	16.6
Construction of other civil engineering projects	13,618	2.3
Demolition and site preparation	132	0.0
Electrical, plumbing and other construction installation activities	39,598	6.6
Building completion and finishing	308	0.1
Other specialized construction activities	400	0.1
Total	596,730	100.0

Table 3.2: Distribution of Total Contract Value by type of construction activity - 2019/20

Table 3.2 and figure 3.2 present the distribution of Rs. Mn. 208,457. The total contract values of the total contract value by type of construction activity in the year 2019/20. Construction of roads & railways records the highest value of contracts (Rs. Mn. 235,250) which is 39.4 percentage to the total contract value followed by construction of buildings activity (34.9%). The value of this activity reported as construction activities such as Demolition and site preparation, Building completion and finishing, Other specialized construction activities have recorded very Low value.

Figure 3.2
Distribution of Total Contract Value by type of construction activity - 2019/20



Source:
Department of Census and Statistics, Sri Lanka

Type of Construction Activity	Value of Contract (Rs. Mn)	Value of work done (Rs. Mn)	%
Construction of buildings	208,457	147,714	70.9
Construction of roads and railways	235,250	111,493	47.4
Construction of utility projects	98,967	53,344	53.9
Construction of other civil engineering projects	13,618	2769	20.3
Demolition and site preparation	132	132	100.0
Electrical, plumbing and other construction installation activities	39,598	24,523	61.9
Building completion and finishing	308	308	100.0
Other specialized construction activities	400	400	100.0
Total	596,730	340,683	57.1

Table 3.3 : Share of value of work done for the total value of contract by type of construction activity - 2019/20

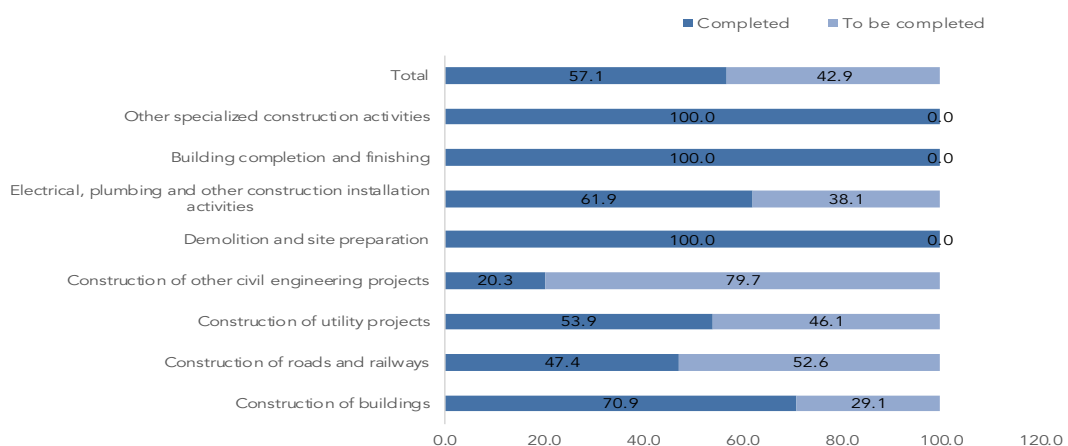
This shows out of the value of total contracts of Rs. 596,730 in the year 2019/2020, more than half 57.1% of the work were completed. Table 3.3 further reveals that less than half of the work done during the year out of the roads & railways construction activities which is the largest value of contract Rs. 235,250 Mn. (47.4 percent).

Lowest percentage of work done was recorded from the construction of other civil engineering projects (20.3 percent). Construction of buildings, construction of utility projects, electrical, plumbing and other

construction installation activities were observed being completed more than 50 percent of the contracts undertaken.

The construction activities which had recorded a low value of the total contract value such as Demolition and site preparation, Building completion and finishing, Other specialized construction activities have been completed 100% in the year 2019/20.

Figure 3.3
Share of value of work done for the total value of contract by type of construction activity - 2019/20



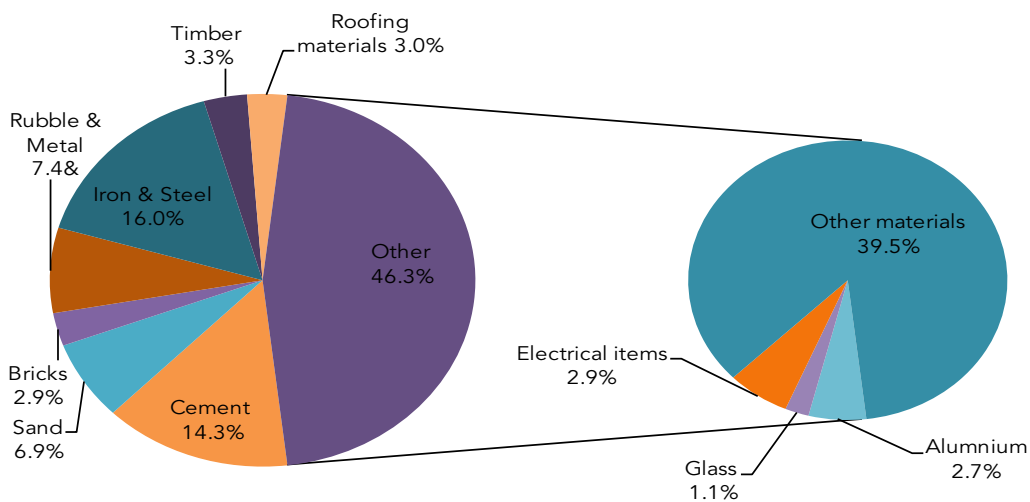
Source:
Department of Census and Statistics, Sri Lanka

Type of raw material	Value (Rs. Mn)	%
Cement	13,605	14.3
Sand	6,560	6.9
Bricks	2,729	2.9
Rubble & Metal	7,047	7.4
Iron & Steel	15,227	16.0
Timber	3,134	3.3
Roofing materials	2,892	3.0
Aluminum	2,571	2.7
Glass	1,065	1.1
Electrical items	2,802	2.9
Other materials	37,635	39.5
Total	95,267	100

Table 3.4: Value of Raw Materials consumed of all Construction Activities - 2019/20

Table 3.4 shows the value of raw materials consumed of all construction activities during the year 2019/20. The highest percentage (39.5%) recorded from other materials. It was more than one third of the total materials consumed. It has to be mentioned here the iron & steel consumed was 16.0%.

Figure 3.4
Value of Raw Materials consumed of All Construction Activities 2019/20



Source:
Department of Census and Statistics, Sri Lanka



4. STATISTICAL APPENDIX

	Type of Construction Activity	No. of Activities	Total Value of Contract (Rs.)	Value of work done (Rs.)
410 - Construction of buildings	41001 : Residential buildings	367	16,724,668,438	10,121,516,891
	41002 : Non residential buildings	1,359	181,803,443,535	128,170,798,170
	41003 : Both residential & non residential buildings	180	4,322,652,731	4,057,606,058
	41004 : Remodeling or renovating existing residential structures	590	5,606,452,896	5,363,958,748
	Group total	2,496	208,457,217,600	147,713,879,867
421 - Construction of Roads & Railways	42101 : Construction of roads	909	210,089,108,526	104,410,484,029
	42103 : Construction of bridges, tunnels	177	5,886,561,420	3,076,059,997
	42104 : Construction of runways	62	100,073,587	97,100,723
	42109 : Other construction related to roads & railways	16	19,173,982,879	3,909,796,294
	Group total	1,164	235,249,726,412	111,493,441,042
422 - Construction of utility projects	42201 : Construction of pipelines, power lines & communication lines	159	75,189,023,054	32,534,408,111
	42202 : Construction of irrigation systems (canals) & reservoirs	537	7,074,573,738	6,174,647,107
	42203 : Construction of sewer systems, including repair	14	495,688,870	258,507,995
	42204 : Construction of pumping stations	11	14,499,618,724	13,583,266,534
	42205 : Construction of power plants	3	1,579,018,077	664,247,663
	42206 : Construction of communication towers	62	105,530,769	105,530,769
	42207 : Drilling/ construction water wells	66	23,286,320	23,286,320
Group total	852	98,966,739,552	53,343,894,499	
429 - Construction of other civil engineering projects	42901 : Construction of industrial facilities, except buildings, such as refineries, chemical plants	58	725,727,889	293,748,792
	42902 : Construction of waterways, harbour & river works, pleasure ports (marinas), locks, etc.	16	12,175,333,540	1,986,219,688
	42903 : Dredging of waterways	3	7,908,235	7,689,109
	42904 : Construction work of outdoor sports facilities	21	349,725,570	134,025,017
	42905 : Land subdivision with land improvement (e.g. adding of roads, utility infrastructure etc.)	62	136,569,231	124,153,846
	42909 : Construction of other civil engineering n.e.c	52	223,155,405	223,155,405
	Group total	212	13,618,419,869	2,768,991,857

Table 4.1 : Some Selected Indicators of construction activities classified by type of Construction Activity - 2019/20

Type of Construction Activity		No. of Activities	Total Value of Contract (Rs.)	Value of work done (Rs.)
431 - Demolition and site preparation	43110 : Demolition or wrecking of buildings and other structures	4	131,636,213	131,636,213
	Group total	4	131,636,213	131,636,213
432 - Electrical, plumbing and other construction installation activities	43211 : Installation of electrical wiring & fittings	72	1,623,516,818	1,623,516,818
	43222 : Installation of ventilation, refrigeration or air-conditioning equipment, non-electric energy collectors and ducts	40	2,276,443,974	2,276,443,974
	43223 : Installation of heating systems (electric, gas and oil)	26	8,299,994,304	8,281,485,396
	43224 : Installation of fire extinguishers	4	32,783,564	32,783,564
	43291 : Installation of elevators, escalators	4	249,896,040	249,896,040
	43299 : Other construction installation n.e.c.	14	27,115,898,501	12,058,949,491
	Group total	160	39,598,533,201	24,523,075,283
433 - Building completion & finishing	43301 : Installation of wooden fittings of buildings (doors, windows, door and window frames, pantry cupboards, ceilings, partitions etc.)	3	29,116,020	29,116,020
	43302 : Installation of aluminum and other steel fittings of buildings (doors, windows, door and window frames, ceilings, partitions etc.)	6	34,320,000	34,320,000
	43306 : Painting of buildings and civil engineering structures	3	4,329,339	4,329,339
	43307 : Installation of fittings of steal, stainless steel (staircase frames, balcony fences etc.)	45	14,843,747	14,843,747
	43309 :	66	225,644,818	225,644,818
	Group total	123	308,253,924	308,253,924
439 - Other specialized construction activities	43901 : Construction of foundations, including pile driving	4	260,032,151	260,032,151
	43903 : Bricklaying and stone setting	3	29,579,408	29,579,408
	43906 : Construction of outdoor swimming pools	6	110,000,000	110,000,000
	43907 : Steam cleaning, sand blasting and similar activities for building exteriors	3	305,712	305,712
	Group total	16	399,917,271	399,917,271
Total		5,028	596,730,444,041	340,683,089,956

Table 4.1 : Some Selected Indicators of construction activities classified by type of Construction Activity - 2019/20

Employee Categories	Male	Female	Total	Wages & Salaries (Rs.)
Working proprietors/ Active Partners	4,433	454	4,887	**
Unpaid Family Workers	1,340	335	1,675	**
Operators	7,711	192	7,903	466,593,294
Other Employees				
Administrative/Managerial	5,537	654	6,191	837,895,807
Technical/ Supervisory	12,116	1,089	13,205	1,327,525,153
Clerical & related	9,396	2,303	11,699	1,005,313,998
Other	37,526	1,042	38,568	2,088,173,419
Total	78,059	6,069	84,128	5,725,501,671-

** Not relevant

Table 4.2 : Average No. of Employees & Salaries Classified by type of Employee Category - 2019/20

Value of Work Done Size Category (Rs.)	All Activities	No. of Activities							
		410 - Construction of buildings	421 - Construction of roads & railways	422 - Construction of utility projects	429 - Construction of other civil engineering projects	431 - Demolition & site preparation	432 - Electrical, plumbing & other construction installation activities	433 - Building completion & finishing	439 - Other specialized construction activities
Less than 100,000	8	0	0	5	0	0	0	0	3
100,000 - 999,999	450	208	0	144	48	0	3	45	0
1,000,000 - 9,999,999	2,789	1,337	667	511	128	0	63	78	5
10,000,000 - 99,999,999	1,410	778	403	146	27	4	43	0	8
100,000,000 - 499,000,000	285	155	57	21	9	0	43	0	0
500,000,000 & above	87	18	37	24	0	0	8	0	0
Total	5,028	2,496	1,164	852	212	4	160	123	16

Table 4.3 : Number of construction activities by Type of construction activity & Value of Work Done Size Category - 2019/20

Type of Legal Organization	No. of Establishments
sole Ownership	2,965
Partnership	285
Private Limited Liability Co.	280
Public Limited Liability Co.	24
Co-operative Society	3
Total	3,558

Table 4.4 : Number of Establishments by Type of Legal Organization -2019/20

Persons engaged size category	No. of Establishments
Less than 10	1,930
10 - 19	1,103
20 - 49	276
50 - 99	129
100 & above	120
Total	3,558

Table 4.5 : Number of establishments by persons engaged size category - 2019/20

ANNUAL SURVEY OF Construction 2019-2020


Department of Census and Statistics |
Ministry of Finance Economic Stabilization
and National Policies Sri Lanka

THE VISION OF DCS





“To be the leader in the region in producing timely statistical information to achieve the country’s development goals.”

THE MISSION OF DCS

“Making contribution in the socioeconomic development of the country by providing accurate timely statistics, more Effectively by means of new technology, and utilising the services of dedicated staff under a strategic leadership to become a prosperous nation in the globalised environment.”

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