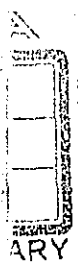


無償資金協力基本設計調査
に係る建設事情の基礎調査
(スリ・ランカ建設事情)

平成元年 3 月

国際協力事業団

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スリランカ民主社会主義共和国建設事情集

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建設事情集整備の目的と活用するにあたっての留意点

1. 目的

この建設事情集整備の目的は、スリランカ民主社会主義共和国に於いて無償資金協力プロジェクトを実施する際、必要となる調査・設計・施工監理に係る諸データ及びチェック事項を取りまとめたものである。

すなわち国別に異なる建設事情、建設コスト、法律、工法、気候等を調査し、分析整理することにより、現地国の状況により対応した効率的な援助事業の実施に貢献し得るよう国別建設事情集として整備するものである。

また、本資料の内容は、下記の3部による構成とした。

- (1) 建設活動の概要
- (2) 自然条件
- (3) 一般建設事情

2. 活用するにあたっての留意点

今回の調査資料にはデータ収集が困難とされる項目や、更新が必要となる項目も含まれているが、今後データの精度を高める上でもまた、資料収集活動の便宜を図る上でも資料の出典欄にこれらの資料出所先の明示を可能な限り図っている。

データの有効活用に資するためには今後更に、これらの書式に従ってデータの蓄積整備を図る必要がある。

建設事情集

A. 建設活動の概要

G.N.P.の総額推移

Sectoral Composition and Increase in Gross National Product at Constant (1982) Prices - 1984 - 1986

Sector	Value Added (Rs. Million)		Percent Share of G.N.P.			Increase over Previous Year (Rs. Million)		Percent share of Increase in G.N.P.	
	1984(a)	1985(a)	1984	1985	1986	1985	1986	1985	1986
			1985(a)						
1. Agriculture, Forestry and Fishing	26,313	25,866	25.8	26.6	26.1	2,353	740	42.2	15.3
1.1 Agriculture	22,563	22,484	22.0	23.0	21.4	2,304	533	41.3	11.0
1.1.1 Tea	2,759	2,723	2.6	2.6	2.4	78	-36	1.5	0.7
1.1.2 Rubber	1,651	1,651	0.9	0.8	0.8	-27	5	0.5	0.1
1.1.3 Coconut	2,413	2,458	2.3	2.6	3.3	1,815	107	21.6	2.2
1.1.4 Other	6,176	6,483	5.1	6.1	5.9	617	170	11.6	3.3
1.1.5 Other	19,088	10,283	9.9	9.6	9.8	221	627	4.1	13.0
1.2 Forestry	1,824	1,958	1.9	1.8	1.8	34	35	0.6	0.7
1.3 Fishing	1,929	2,111	1.9	1.8	1.9	15	172	0.3	3.6
2. Mining and Quarries	2,494	2,615	2.4	2.3	2.3	37	129	0.7	2.7
3. Manufacturing	15,879	17,458	15.2	15.1	15.7	803	1,305	15.1	28.3
3.1 Text Crop Processing	2,493	3,222	2.9	3.0	2.9	239	3	4.5	0.1
3.2 Factory Industry	10,296	10,811	10.2	10.1	10.8	515	1,297	9.7	26.9
3.3 Small and Other Industry	3,111	3,425	2.1	2.0	2.0	49	65	0.9	1.3
4. Construction	3,039	3,191	2.9	2.6	2.3	40	121	0.7	2.5
5. Electricity, Gas, Water and Sanitary	1,231	1,406	1.2	1.2	1.3	74	93	1.4	1.9
6. Transport, Storage and Communication	12,433	13,377	12.3	12.1	12.0	522	416	9.8	8.7
7. Wholesale and Retail Trade	12,029	12,821	11.7	11.5	11.4	896	396	16.3	18.6
8. Banking, Insurance and Real Estate	4,426	5,174	4.3	4.7	4.6	449	199	8.4	4.1
9. Ownership of Dwellings	3,231	3,497	3.1	3.2	3.1	51	65	1.0	1.3
10. Public Administration and Defence	4,363	5,374	4.1	4.2	4.7	267	842	5.0	17.5
11. Services (n.e.s.)	4,636	4,242	4.6	4.2	3.8	-217	-177	-4.1	-3.7
12. Gross Domestic Product	104,351	109,570	103.0	102.7	102.4	5,175	4,691	97.0	97.2
13. Net Factor Income from Abroad	-2,499	-2,696	-3.0	-2.7	-2.4	159	133	3.0	2.5
14. Gross National Product	101,852	106,741	100.0	100.0	100.0	5,334	4,824	100.0	100.0

Source: Central Bank of Sri Lanka.

(a) Provisional.

産業別実質G.D.P.

COMPOSITION OF NATIONAL INCOME 1982-1985 (New Series)

Item	1982*	1983*	1984*	1985*
1.0 GDP at Constant (1982) Factor Cost Prices (%)	100.00	100.00	100.00	100.00
1.1 Agriculture, Forestry, Hunting and Fishing	26.37	26.37	25.01	25.89
1.2 Manufacturing	14.37	13.79	14.74	14.78
1.3 Services	4.86	4.62	4.44	4.03
1.4 Wholesale and Retail Trade	20.80	20.87	21.10	20.92
1.5 Transport, Storage and Communications	11.27	11.35	11.91	11.83
1.6 Construction	8.41	8.09	7.69	7.37
1.7 Public Administration and Defence	3.06	3.81	3.99	4.04
1.8 Ownership of Dwellings	3.43	3.34	3.24	3.13
1.9 Banking, Insurance and Real Estate	1.92	4.16	4.34	4.54
1.10 Mining and Quarrying	2.36	2.43	2.35	2.27
1.11 Electricity, Gas, Water and Sanitary Services	1.15	1.17	1.19	1.20
2.0 GDP, Market Price by Expenditure (%)	100.00	100.00	100.00	100.00
2.1 Private Consumption	79.83	78.08	77.35	77.07
2.2 Public Consumption	8.31	8.13	7.76	9.21
2.3 Gross Domestic Fixed Capital Formation	10.51	9.06	15.73	18.84
2.3.1 Private Sector and Public Corporations	25.61	24.16	21.13	18.84
2.3.2 Public Sector	4.90	4.90	4.60	6.89
2.4 Changes in Stocks	0.23	- 0.17	0.10	0.14
2.5 Exports of Goods & Non-Factor Services	27.38	28.33	28.80	26.33
2.6 Less: Imports of Goods and Non-Factor Services	- 46.26	- 41.43	- 34.74	- 38.48

* Provisional.

Source: Central Bank of Sri Lanka.

主要項目別歳入・歳出

TABLE 78—SUMMARY INDICATORS OF NATIONAL PRODUCT INCOME AND EXPENDITURE AT CURRENT PRICES

	Values					
	1975	1981	1982	1983	1984 ⁽¹⁾	1985 ⁽¹⁾
1. Gross National Product at Current Market Prices (Rs. million)	26,827.5	82,638.6	95,493.1	116,037.7	143,694.9	154,808.3
2. National Income at Market Prices (Rs. Million)	—	—	—	—	—	—
3. Gross Domestic Expenditure (Rs. million)	27,040.5	84,526.6	97,527.5	119,201.5	147,095.8	158,160.2
4. Private Consumption Expenditure (Rs. million)	21,678.5	64,581.4	77,309.5	93,074.9	107,739.7	119,916.1
5. Public Consumption Expenditure (Rs. Million)	2,696.7	7,456.1	10,407.4	12,726.9	15,442.4	19,242.8
6. Gross Fixed Capital Formation (Rs. million)	3,539.8	23,955.3	27,925.7	31,583.8	34,262.1	36,234.6
7. Gross National Product per Capita at Market Prices (Rupees)	1,987.8	5,515.0	6,287.0	7,527.1	9,211.2	9,775.1
8. National Income per Capita at Market Prices (Rupees)	—	—	—	—	—	—

商品別輸出・入高

Principal Items of Imports

Value In Rupees

B.T.N. No.	Item	1980	1981	1982	1983	1984
3	Fish, Crustaceans and Molluses					
03.02 C1	Fish salted in Brine, Smoked fish (Maldive) ..	1,202,500	131,574	1,656,528	17,234,101	12,587,955
03.02 C2	Fish salted in Brine, Smoked fish (Substitutes for Maldive fish)	3,104,448	1,177,615	2,390,747	11,684,656	12,362,674
3.02 C4	Dried fish—not salted	13,999,127	3,198,307	484,602	6,900,507	6,624,960
03.02 C5	Dried fish salted	115,165,605	38,718,288	83,857,795	82,482,716	115,592,482
4	Dairy Produce, Birds, Eggs, Natural Honey, Edible Products of Animal Origin not elsewhere Specified or Included					
04.01	Milk and Cream ..	437,790,187	363,690,669	438,340,794	798,319,671	546,442,856
04.02						
04.03	Butter and clarified butter (Ghee)	25,776,071	31,152,161	30,190,035	60,194,343	90,767,891
04.04	Cheese and curd ..	6,438,004	10,527,297	13,005,755	13,916,217	19,253,314
7	Edible Vegetables and certain Roots and Tubers					
07.01A	Potatoes ..	52,110,604	2,457,478	37,829	5,933,978	1,708,768
07.01A						
07.01 C1	Onions					
07.01 C	Garlic ..	62,094,146	15,274,362	37,226,974	48,547,179	297,134,956
07.01 C2						
07.01B		16,773,383	15,794,011	26,766,278	31,206,928	80,569,505
8	Edible Fruits and Nuts; Peel of Melons or Citrus Fruit					
08.01G	Dates ..	20,993,196	10,897,686	10,058,997	19,593,091	30,992,085
9	Coffee, Tea, Mate and Spices					
09.04A	Dried Chillies ..	174,921,376	9,324,465	58,339,017	163,336,557	235,605,156
09.09A	Coriander ..	35,192,079	64,454,327	62,797,640	116,632,828	100,216,848
09.09B	Cumin Seed ..	13,901,757	18,059,453	43,769,253	46,491,013	29,861,498
10	Cereals					
10.01	Wheat and meslin ..	553,553,471	1,071,611,055	1,318,091,842	1,313,710,727	1,635,470,853
10.06B						
10.06C						
10.06D						
	Rice ..	756,171,979	891,786,727	583,443,233	917,757,537	153,803,186
11	Products of the Milling Industry; Malt and Starches; Gluten; Inulin					
11.01A	Cereal flours—Wheat or Meslin	1,785,677,908	24,792,596	58,813,987	104,711,592	24,941,368
11.07	Malt roasted or not ..	9,909,925	4,247,777	5,946,068	13,081,403	12,253,743
15	Animal and Vegetable Fats and Oils and Their Cleavage Products; Prepared Edible Fats; Animal and Vegetable Waxes					
15.02A	Fats of bovine cattle, sheep or goat etc. Tallow	28,474,447	47,114,558	42,111,115	32,388,944	194,077,703
15.07A	Soya bean oil ..	12,553,476	9,185,976	8,402,424	20,713,315	6,352,993
16	Preparations of Meat, of Fish, of Crus- taceans or Molluses					
16.04	Prepared and preserved fish including caviar and caviar substitutes	153,323,757	49,059,279	155,021,548	126,853,705	243,374,842

貿易

易

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Principal Items of Imports

(contd.)

Value in Rupees

B.T.N. No.	Item	1980	1981	1982	1983	1984
17 17.01	Sugar And Sugar Confectionery Beet sugar and cane sugar in solid form	1,914,893,847	2,652,662,721	927,085,937	1,581,561,585	1,192,608,248
19 15.02	Preparations Of Cereals, Flour Or Starch Pastrycooks Products Preparations of flour, etc. ..	—	—	56,303,113	94,360,589	—
21 21.06	Miscellaneous Edible Preparations Natural yeast and baking powder	23,077,517	30,474,239	39,149,557	66,656,736	62,749,593
21.07B 21.07	Food preparations N.E.S. (Infants Milk Foods)	15,959,113	76,711,525	33,827,551	172,909,233	93,991,976
22 22.08		Beverages, Spirits And Vinegar Ethyl alcohol or neutral spirits	43,852,006	52,363,081	63,446,940	10,711,657	85,496,982
25 25.23B 25.23C+A	Salt; Sulphur; Earths And Stone; Plastering Materials, Lime And Cement Cement clinker ..	59,232,477	460	—	10,247,345	56,574,218
25.24	Portland cement, cement fondu, etc except cement clinker	285,030,255	98,408,631	367,910,151	480,363,443	452,635,635
25.24	Asbestos	71,860,229	71,383,137	59,087,732	113,540,729	78,047,176
27 27.01	Mineral Fuels, Mineral Oils And Products of Their Distillation; Bituminous Substances; Mineral Waxes Coal, briquettes, ovoids and similar solid fuels manufactured from coal	1,243,471	1,817,892	53,776,627	71,574,614	4,263,772
27.04	Coke and semi-coke of coal, of lignite or of peat	11,187,190	10,737,108	8,885,312	7,232,647	11,192,083
27.09	Petroleum oils, and oils obtained from bituminous minerals, crude	7,309,889,242	7,697,650,800	10,174,933,262	7,069,630,313	10,554,960,633
27.10A	Petroleum oils and oils obtained from bituminous minerals, other than crude, motor spirit, including aviation spirit	11,376,536	555,301	7,511,178	121,703,390	10,661,812
27.10B	Spirit type jet fuel ..	15,876	289,580	5,012	111,070	273,337
27.10D	Kerosene, Kerosene type jet fuel	483,667,497	100,398,922	257,885,760	462,810,752	64,760,757
27.10F	Gas oils ..	159,029,739	373,431,770	795,964,906	1,781,417,314	1,127,522,000
27.10H	Lubricating oils, other heavy oils and preparations	65,938,753	114,415,063	71,196,253	62,279,966	84,480,516
27.13	Paraffin wax, micro-crystalline wax, slack wax, ozokerite, lignite wax, peat wax and other mineral waxes whether or not coloured	14,576,170	11,037,180	27,860,903	16,286,720	7,988,779
28 28.03 28.17A 28.42A	Inorganic Chemicals; Organic And Inorganic Compounds of Precious Metals of Rare Earth Metals, of Radio-Active Elements And of Isotopes Carbon	39,066,513	33,812,620	52,832,117	52,510,270	55,728,102
28.17A	Sodium Hydroxide (caustic soda) solid	37,450,977	50,099,967	60,813,587	45,303,727	47,648,320
28.42A	Neutral sodium carbonate ..	12,159,652	13,029,134	9,672,911	18,572,193	4,529,013
30 30.03	Pharmaceutical Products Medicaments (including veterinary medicaments)	217,229,652	155,292,550	303,507,773	343,363,593	441,035,324
30.04	Wadding, gauze, bandages and similar articles	7,698,511	5,553,446	15,623,124	13,644,430	16,908,072

出典: Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

Principal Items of Imports

(contd.)

Value In Rupees

B.T.N. No.	Item	1980	1981	1982	1983	1984
31	Fertilisers					
31.02D	Ammonium sulphate ..	342,792,503	289,706,725	61,332,573	116,314,757	232,443,620
31.02G	Urea	419,216,874	232,450,756	22,428,577	29,079	207,163,877
31.03B	Super Phosphates	211,071,047	183,837,117	89,743,143	100,537,026	154,154,238
31.04B	Potassium chloride	183,708,973	215,558,842	162,433,720	113,571,163	119,775,364
32	Tanning And Dyeing Extracts; Tannins And Their Derivatives; Dyes, Colours, Paints And Varnishes; Putty, Fillers And Stoppings; Inks					
32.05A	Synthetic organic dyestuffs ..	40,477,072	41,442,784	49,777,834	55,302,076	108,081,468
32.07	Other colouring matter ; Inorganic products of a kind used as luminophores	29,858,917	28,573,609	30,919,279	35,400,504	49,147,648
38	Miscellaneous Chemical Products					
38.11B	Insecticides	10,436,505	31,439,423	41,211,890	55,774,663	58,642,049
38.11C	Fungicides	17,994,824	10,432,651	17,164,268	19,119,530	30,235,804
90.11D	Weed-killers (herbicides)	27,838,165	49,718,877	52,004,182	60,447,593	92,199,446
40	Rubber, Synthetic Rubber, Factice, and Articles Thereof					
40.09	Piping and tubing of unhardened vulcanised rubber	22,579,525	32,301,196	25,939,165	37,219,017	32,706,727
40.11	Rubber tyres, tyre cases, interchangeable tyre treads, inner tubes and tyre flaps for wheels of all kinds	101,937,118	131,653,257	183,631,742	170,192,063	213,988,055
44	Wood And Articles of Wood, Wood Char-Coal					
44.15A	Plywood, Blackboard, etc ..	148,987,730	39,696,936	50,337,554	76,914,639	102,718,400
48	Paper And Paper board; Articles Of Paper Pulp of Paper Or of Paperboard					
48.01A	Newsprint	90,717,259	233,936,104	193,833,314	151,609,189	190,385,859
48.01B	Printing paper (Other than newsprint) and writing	44,951,712	47,373,049	73,376,999	55,541,438	95,507,393
48.07	Paper and paper board, impregnated, coated, surface coloured, surface-decorated or printed in rolls or sheets	49,259,479	55,654,572	70,032,355	84,624,222	112,584,286
49	Printed Books, Newspapers, Pictures and Other Products of The Printing Industry ; Manuscripts, Typescripts and Plans					
49.01	Printed books, booklets, pamphlets and leaf- lets	18,555,628	30,510,601	35,190,667	37,287,890	63,139,845
49.07	Unused postage, revenue and similar stamps, Cheque books etc.	37,630,594	11,106,928	39,237,241	1,878,733	52,135,208
51	Man-Made Fibres (Continuous)					
51.01	Yarn of man-made fibres (continuous) not put up for retail sale	149,637,060	171,080,400	236,024,368	219,242,193	239,924,323
51.04	Woven fabrics of man-made fibres	395,607,086	468,246,216	405,257,557	452,237,649	459,098,678
55	Cotton					
55.01	Cotton, not carded or combed	133,510,307	203,476,024	281,479,215	287,273,012	319,803,021
55.05	Cotton yarn not put up for retail sale ..	18,682,836	32,913,658	10,960,505	20,319,275	32,789,425
55.09	Woven fabrics of cotton	650,761,397	851,860,579	759,926,804	888,527,771	945,853,811

(contd.)

Value in Rupees

Principal Items of Imports

B.T.N. No.	Item	1980	1981	1982	1983	1984
56	Man-Made Fibres (Discontinuous)					
56.05	Yarn of man-made fibres (discontinuous or waste) not put up for retail sale	39,850,616	47,503,483	101,652,873	125,516,473	21,457,510
56.07	Woven fabrics of man-made fibres (discontinuous or waste)	473,167,435	685,374,794	689,912,423	836,552,099	682,005,858
70	Glass And Glassware					
70.06	Cast, rolled, drawn, or blown glass in rectangles, but not further worked	21,203,772	57,340,020	68,206,801	52,894,247	72,746,579
73	Iron and Steel and Articles Thereof					
73.07	Blooms, billets, slabs and sheets bars (including tinplate bars), of iron or steel; pieces roughly shaped by forging, of iron or steel	293,528,732	204,835,149	54,161,015	66,126,878	87,636,220
73.10	Bars and rods of iron or steel, hot-rolled, forged, extruded, cold formed, or cold finished	219,736,212	250,841,067	227,975,373	219,852,498	372,415,602
73.12	Hoop and strip, of iron or steel, hot-rolled or cold-rolled	28,239,648	26,541,471	30,151,612	25,430,753	23,465,933
73.13 A	Sheets and plates of iron or steel hot-rolled or cold-rolled not further worked	107,854,026	159,423,165	116,998,026	78,741,769	164,018,012
73.13 B						
73.13 C						
73.13 D						
73.13 E	Sheets, plates of iron or steel - other	120,816,282	99,321,031	169,424,609	165,037,881	230,962,140
73.14	Iron or steel wire whether or not coated but not insulated	47,775,001	82,153,555	74,637,597	84,158,792	117,137,961
73.15 M	Steel Bars and rods, high carbon steel	15,204,519	7,610,401	5,523,602	7,747,329	6,864,672
73.16 A	Railway track construction material of iron or steel	45,161,983	1,705,305	13,830,258	35,082,490	5,568,463
73.18	Tubes and pipes and blanks, thereof, of iron (other than of cast iron) or steel excluding high-pressure hydro-electric conduits	91,125,791	103,871,260	91,390,232	141,040,806	149,596,094
73.20	Tubes and pipe fittings of iron or steel	60,563,035	59,609,178	55,516,194	81,154,575	54,163,134
73.21	Structures and parts of structures, of iron or steel; plates, strip, rods, angles, shapes, sections, tubes and the like, prepared for use in structures	184,051,463	144,359,792	230,231,743	581,278,110	375,169,345
73.23	Casks, drums, cans, boxes and similar containers	39,477,687	29,331,459	16,954,340	27,276,583	14,064,600
73.27	Gauze, cloth, grill, netting, fencing, reinforcing fabric and similar materials, of iron or steel	17,337,492	10,444,287	16,171,092	11,093,344	15,643,939
73.29	Chain and parts thereof, of iron or steel	12,093,554	18,704,553	31,757,735	22,045,010	35,592,424
73.32	Bolts and nuts, whether or not threaded or tapped, screws, rivets, cotters, cotter-pin washers and spring washers, of iron or steel	57,727,015	70,451,883	68,482,858	59,284,446	80,412,216
74	Copper and Articles Thereof	92,540,052	85,303,701	70,791,545	106,130,252	103,674,870
79	Aluminium and Articles Thereof	359,914,930	295,361,857	317,731,380	305,545,824	265,448,420
76	Zinc and Articles Thereof	32,670,882	38,834,778	54,961,083	50,702,713	36,824,969

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Principal Items of Imports

(contd.)

Value in Rupees

B. T. N. No.	Item	1980	1981	1982	1983	1984
84	Boilers, Machinery and Mechanical Appliances : Parts Thereof					
84.01 A	Steam or other vapour generating boilers and super-heated water boilers	8,568,466	26,303,383	21,504,044	21,786,209	8,434,577
84.10	Pumps (including motor pumps and turbo pumps) for liquids, whether or not fitted with measuring devices, liquid elevators of bucket, chain, screw band and similar kinds	86,740,966	106,527,201	79,448,719	147,807,503	147,726,321
84.11	Airpumps, Vacuum pumps and air or gas compressors (including motor and turbo pumps and compressors and free piston generators for gas turbines); fans, blowers and the like	84,848,159	99,531,059	107,855,127	105,370,069	141,492,920
84.12 A	Air conditioning machines, self-contained, comprising a motor driven fan and elements for changing the temperature and humidity of air	73,894,569	53,574,520	69,964,625	95,897,584	37,676,234
84.15 A,B,C,	Refrigerators and refrigeration equipment (electrical and other)	71,271,193	71,957,067	95,331,539	157,630,576	82,783,564
84.17	Machinery instantaneous or storage water heaters, non electrical	99,012,853	65,709,945	58,543,773	137,713,167	75,663,990
84.23	Excavating, levelling, tamping boring and extracting machinery, stationary or mobile, for earth, mineral or ores	512,351,014	350,451,397	352,903,805	394,854,174	267,154,537
84.36	Machines for extruding man-made textiles; machines of a kind used for processing natural or man-made textile fibres, textile spinning and twisting machines; textile doubling, throwing and reeling machines	60,134,898	26,695,840	33,443,905	18,122,590	6,938,386
84.37	Weaving machines, knitting machines and machines for making gimped yarn, tulle lace embroidery, trimmings, braid or net; machines for preparing yarns	148,309,341	83,254,725	46,565,335	93,176,768	31,272,101
84.38 B	Auxiliary machinery for use with machines for preparing yarns	16,582,356	3,636,207	20,094,640	2,763,569	19,812,516
84.41 A	Sawing machines	78,053,001	91,393,137	73,567,518	120,729,035	119,921,635
84.45	Machine tools for working metal or metallic carbide	133,469,964	86,628,418	71,971,041	93,663,289	84,307,763
84.51	Typewriters other than typewriters incorporating calculating mechanisms; cheque-writing machines	33,091,138	28,114,784	13,713,997	20,598,084	24,563,233
84.52	Calculating machines; accounting machines, cash registers, postage-franking machines, ticket issuing machines and similar machines	36,876,158	25,453,343	21,505,672	22,676,427	19,807,070
84.56	Machinery for sorting, screening, separating washing, crushing, grinding or mixing earth stone, ores or other mineral substances in solid form etc.	204,633,621	65,519,609	216,766,851	163,205,512	85,105,637
84.60	Moulding boxes for metal foundry; moulds of a type used for metal, for metallic carbides for glass, for mineral materials for example ceramic pastes, concrete or cement, or for rubber or artificial plastic materials	24,903,021	27,231,374	30,631,599	24,060,586	28,509,803
84.61	Taps, cocks, valves and similar appliances	68,554,981	73,933,980	75,059,582	134,639,068	216,345,172
84.62	Ball, roller or needle roller bearings	49,800,060	50,922,208	58,383,483	61,980,812	104,822,812

(contd.)		Principal Items of Import					Value in Rupees
B.T.N. No.	Item	1980	1981	1982	1983	1984	
84.6J	Transmission shafts, cranks, bearing, housing, plain shaft bearings, gears and gearing fly wheels, pulleys and pulley blocks clutches and shaft couplings	65,642,937	69,749,592	112,521,933	85,581,273	117,203,664	
85	Electrical Machinery and Equipment : Parts thereof						
85.01 A to E	Electrical goods ; Generators, motors	183,133,133	349,210,559	219,563,889	355,547,836	107,685,631	
85.01 G to J	Converters, transformers, rectifiers and rectifying apparatus, inductors	82,961,470	90,570,884	106,213,899	240,598,917	234,016,931	
85.03 A	Primary cells and primary batteries complete	42,495,762	16,983,027	14,140,277	29,964,581	26,745,129	
85.03 B	Primary cells and primary batteries parts	5,990,302	5,667,911	7,774,493	8,462,504	3,784,975	
85.08	Electrical starting and ignition equipment for internal combustion engines, dynamos and cut-outs for use in conjunction therewith	38,053,023	27,633,033	34,021,802	46,995,065	95,481,400	
85.11	Industrial and laboratory electric furnaces, ovens and induction and dielectric heating equipment ; electric welding, brazing and soldering machines and apparatus and similar electric machines and apparatus for cutting	44,017,380	25,459,788	19,055,401	27,107,906	29,741,822	
85.13 A	Electrical line telephone and telegraphic apparatus	80,279,901	110,467,637	111,225,965	249,292,947	335,270,687	
85.15 A	Transmitters and transmitter-receivers	54,341,852	47,518,783	25,356,695	23,105,562	137,062,125	
85.15 B & C	Colour and monochrome television receivers, including receivers incorporating sound recorders or reproducers	83,161,168	211,129,095	435,739,924	300,254,374	180,169,757	
85.15 D, E, F	Radio-broadcast receivers, including receivers, incorporating sound recorders or reproducers	56,395,088	43,335,037	250,179,133	260,147,920	142,638,766	
85.19 A	Electric apparatus for making and breaking electrical circuits for the protection of electrical circuits or for making electrical connections to or in electrical circuits Industrial	266,321,838	303,209,302	290,029,014	458,591,037	492,389,086	
85.20	Electric filament lamps and electric discharge lamps, arc lamps electrically ignited photographic flash bulbs and parts	38,399,031	52,425,523	39,671,769	59,702,396	73,616,775	
85.21	Insulated electric wire, cable, bars, strip and the like, whether or not fitted with Connectors	109,389,427	153,871,023	116,939,536	469,064,072	376,353,364	
86	Railway and Tramway Locomotives, Rolling-Stock and Parts thereof; Railway and Tramway Track Fixtures and Fittings; Traffic Signalling Equipment of all kinds (not Electrically Powered)						
86.03	Railway locomotives other than steam and electric rail locomotives	92,615,665	592,065	277,142,554	3,955,667	2,612,504	

出典: Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

Principal Items of Imports

(contd.)

Value In Rupees

B.T.N. No.	Item	1980	1981	1982	1983	1984
86.05	Railway and tramway passenger coaches and luggage vans, hospital coaches, prison coaches, testing coaches, travelling post office coaches and other special purpose railway coaches	—	13,524,904	28,138	1,167,477	—
86.09	Parts of railway and tramway locomotives and rolling stock	163,121,496	105,746,602	125,504,532	100,013,744	43,522,876
87	Vehicles, Other Than Railway Or Tramway Rolling-Stock, And Parts Thereof					
87.01	Tractors whether or not fitted with power take-offs, winches or pulleys	370,246,291	116,148,399	85,091,962	212,811,502	230,238,300
87.01Ab	Motor cars—station wagons ..	196,587,441	117,203	63,042,771	77,516,787	285,277,999
Ac	Motor cars—jeep type vehicles	106,022,739	16,124,929	229,900,395	303,867,615	—
87.02B1	Public service type passenger vehicles, such as motor buses, coaches, trolley buses and the like	421,207,026	338,429,968	309,747,166	515,750,731	452,468,919
87.02C1	Lorries and vans, gross weight of 2300kg. or more	711,588,531	512,093,678	—	—	234,584,697
87.02C2	Other lorries and vans	53,702,114	255,914,890	656,646,045	922,653,228	816,634,642
87.03	Special purpose lorries and vans ..	52,934,460	58,773,814	64,635,446	74,404,389	45,750,799
87.04	Chassis fitted with engines for the motor vehicles	235,296,293	59,316,558	222,517,616	107,318,730	95,779,097
87.06	Parts of motor vehicles	175,586,771	164,854,615	161,032,639	190,372,169	191,719,807
87.07A	Work trucks, mechanically propelled, tractors of the type used on railway station platforms	39,006,510	58,445,521	33,691,345	56,442,655	32,182,376
87.09A	Motor cycles and auto cycles (Auto trishaws and three wheeler vans)	9,943,800	15,894,155	1,244,996	3,739,655	2,071,316
87.09B1	Other motor and auto cycles with engine .. ca. & l.y of 350 cc below	283,093,119	100,631,717	74,472,668	139,722,677	167,405,986
87.09B2	Other motor and Auto cycles ..	—	—	692,127	2,902,855	921,764
87.10	Cycles (including delivery tricycles), not motorised	209,595,899	93,973,372	41,003,832	21,640,746	7,939,508
87.12	Parts and accessories of articles, motorcycles, auto cycles, side cars invalid carriages etc.	64,926,068	49,445,602	57,191,544	103,092,590	130,507,412
87.14	Vehicles (including trailers), not mechanically propelled, and parts thereof	60,678,339	39,873,526	21,562,615	53,636,665	27,001,094
89	Ships, Boats And Floating Structures					
89.01E	Trawlers and other fishing vessels, factory ships and other ships, used in activities directly connected with fishing operations	2,245,451	11,825	126,526	405,620	249,905
89.03	Light vessels, fire floats, dredgers of all kinds etc.	46,193,276	9,779,303	1,585,888	11,450,329	4,131,293
90	Optical, Photographic, Cinematographic, Measuring, Checking, Precision, Medical And Surgical Instruments And Apparatus; Parts Thereof					
90.07	Photographic cameras; photographic flash-light apparatus and flash bulbs etc.	24,622,230	18,174,763	16,698,501	17,664,764	12,233,508

Principal Items of Imports

(contd.)		Value in Rupees				
B.T.N. No.	Item	1980	1981	1982	1983	1984
90.08	Cinematographic cameras, projectors, sound recorders and sound reproducers, any combination of these articles.	4,353,605	11,617,179	2,011,370	3,362,403	6,671,998
90.17	Medical, dental, surgical and veterinary instruments and appliances (including electro medical apparatus and ophthalmic instruments)	40,584,530	35,413,002	149,099,839	68,227,696	62,208,053
90.24	Instruments and apparatus for measuring, checking or, automatically controlling the flow, depth, pressure or other variables of liquids or for automatically controlling temperature	25,315,085	28,221,093	30,671,308	53,593,574	73,911,840
90.28	Electrical measuring, checking analysing or automatically controlling instruments and apparatus	22,224,075	89,957,747	81,401,589	69,815,784	116,414,431
92	Musical Instruments ; Sound Recorders And Reproducers, Television Image And Sound Recorders And Reproducers, Magnetic Parts And Accessories Of Such Articles					
92.11A } 92.11B } 92.11C }	Gramophone and record players	2,844,292	4,371,015	13,216,084	71,333,696	51,473,830
	Television image and sound recorders and reproducers	15,615,365	22,109,265	49,781,587	120,359,805	83,884,083

Source : Department of Customs

主要産業別就業者数

Employed population classified by Major Industrial divisions and Sex (1)

Table 30 Number In Thousands

Major Industrial Division	Total	Males	Females
Total Population	14,046.8	7,568.3	7,270.5
Total Employed	4,119.3	3,248.4	870.9
Agriculture, Hunting, Forestry and Fishing	1,875.8	1,416.7	459.1
Mining and Quarrying	33.8	31.5	2.3
Manufacturing	408.7	313.9	94.8
Electricity, Gas and Water	16.0	15.3	0.7
Construction	134.0	129.1	4.8
Wholesale and Retail Trade and Restaurants and Hotels	437.3	399.5	37.8
Transport, Storage and communication	199.6	191.3	8.3
Financing, Insurance, Real Estate and Business Services	56.9	46.8	10.1
Community, Social and Personal Services	587.8	393.9	193.9
Activities not adequately described	357.3	310.4	58.9

Source : Department of Census and Statistics.

(1) Population Census—1981.

Employed population classified by major occupational groups and sex (1)

Table 31 Number In Thousands

Major Occupational Groups	Total	Males	Females
Total Employed	4,119.3	3,248.4	870.9
Professional, Technical and Related Workers	246.4	130.3	116.1
Administrative and Managerial Workers	33.7	30.4	3.3
Clerical and Related Workers	257.4	199.4	58.1
Sales Workers	315.7	291.6	24.1
Service Workers	235.2	190.0	45.2
Agricultural and Hunters and Fishermen, Animal Husbandry and Forestry Workers	1,947.0	1,390.4	456.6
Production and related workers, Transport Equipment Operators and Labourers	1,090.1	948.2	141.8
Workers not classified by occupation	93.8	68.1	25.7

Source : Department of Census and Statistics.

(1) Population Census—1981.

各職種における最低賃金と実質賃金の推移 (1978年12月=100)

PRICES AND WAGES

Minimum Wage Rate Index Numbers of Workers in Wages Boards Trades
1978 December=100

Period	Workers in Agriculture (a)		Workers in Industry and Commerce (b)		Workers in Services (c)		Workers in Wages Boards Trades (d)	
	Minimum Wage Rate Index 1	Real Wage Rate Index 2	Minimum Wage Rate Index 3	Real Wage Rate Index 4	Minimum Wage Rate Index 5	Real Wage Rate Index 6	Minimum Wage Rate Index 7	Real Wage Rate Index 8
1968 Average ...	29.0	57.2	42.3	83.3	—	—	30.2	59.6
1969 ...	29.0	53.3	42.3	77.6	—	—	30.2	55.5
1970 ...	29.3	50.8	43.4	75.3	—	—	30.6	53.0
1971 ...	29.6	49.9	46.1	77.8	—	—	31.1	52.5
1972 ...	31.0	49.2	47.5	75.3	—	—	33.6	51.6
1973 ...	35.1	50.8	52.2	75.6	—	—	36.4	52.7
1974 ...	43.9	56.5	62.0	79.5	—	—	45.5	58.6
1975 ...	50.4	60.8	72.0	86.8	—	—	52.4	63.2
1976 ...	51.5	60.9	73.9	88.1	—	—	53.6	63.9
1977 ...	64.8	76.3	79.5	93.7	—	—	66.2	77.9
1978 ...	94.2	99.0	98.8	102.6	—	—	94.7	99.3
1979 ...	123.1	116.0	111.3	105.2	113.9	107.8	119.6	112.9
1980 ...	153.6	115.9	138.8	105.4	130.5	98.9	147.3	111.1
1981 ...	153.9	98.3	151.0	96.2	146.4	93.2	152.2	97.1
1982 ...	181.2	104.2	161.0	92.6	169.7	97.7	175.8	101.1
1983 ...	198.7	100.4	163.1	82.5	177.8	89.7	188.8	95.5
1984 ...	250.2	108.0	168.3	72.9	179.7	77.8	224.3	96.9
1985 ...	273.5	116.6	192.5	82.1	179.7	76.6	244.1	104.1
1984 3rd Quarter ...	276.2	117.8	168.5	71.9	179.7	76.6	241.5	103.0
4th Quarter ...	276.2	117.2	168.5	71.5	179.7	76.3	241.6	102.5
1985 1st Quarter ...	270.0	115.3	177.8	75.9	179.7	76.8	239.2	102.1
2nd Quarter ...	275.0	116.7	192.3	81.6	179.7	76.2	245.1	104.0
3rd Quarter ...	275.8	118.7	192.3	82.8	179.7	77.3	245.7	105.7
4th Quarter ...	273.0	115.9	207.5	82.1	179.7	76.3	246.3	104.5
1986 1st Quarter ...	282.6	114.4	207.5	84.0	179.7	72.7	253.0	102.4
1985 May ...	274.5	116.3	192.3	81.5	179.7	76.1	244.8	103.7
June ...	276.4	116.6	192.3	81.1	179.7	75.8	246.0	103.8
July ...	277.2	117.3	192.3	81.4	179.7	76.0	246.6	104.3
August ...	276.7	119.1	192.3	82.8	179.7	77.4	246.2	106.0
September ...	273.6	119.6	192.3	84.1	179.7	78.5	244.2	106.7
October ...	271.1	118.0	207.5	90.3	179.7	78.2	245.3	106.7
November ...	271.6	114.6	207.5	87.6	179.7	75.8	245.7	103.7
December ...	276.4	115.0	207.5	86.3	179.7	74.8	248.0	103.2
1986 January ...	279.8	114.2	207.5	84.7	179.7	73.3	251.1	102.5
February ...	283.3	114.6	207.5	83.9	179.7	72.7	253.4	102.5
March ...	284.8	114.5	207.5	83.4	179.7	72.2	254.4	102.3
April ...	286.4	114.6	207.5	83.0	179.7	71.9	255.4	102.2
May ...	286.8	114.3	208.4	83.3	179.7	71.6	255.9	101.9

Source: Labour Department, and Central Bank of Sri Lanka.

Note.—The Index numbers are calculated on fixed weights based on the numbers employed as at December 31, 1978. The wage rates used in the calculation of Index are minimum wages for different trades fixed by the Wages Boards. Figures prior to December 1978 have been spliced to the new Index and are not strictly comparable.

- (a) The index refers to wage rates of tea growing and manufacturing, rubber growing and manufacturing, coconut growing and cocoa, cardamoms and pepper growing trades only.
- (b) Includes baking, brick & tile manufacturing, coconut manufacturing, printing, textile, tyre and tube manufacturing, coir increases & bristol fiber export, hosiery manufacturing, engineering, garment manufacturing, match manufacturing, biscuit & confectionary tea export and rubber export trades only.
- (c) This is a new series of index numbers computed with the revision and therefore the indices prior to 1978 are not available. This includes cinema, motor transport and nursing home trades only.
- (d) Combined index for workers in Agriculture, workers in Industry & Commerce and Services.

出典:

政府職員の前級別賃金(1978年12月=100)
Wages Rate Index Numbers of Government Employees - 1978 December = 100

Period	Non Executive Officers (excluding Minor Employees)						Minor Employees						All Central Government Employees(a)		Government School Teachers		
	Clerical Employees		Skilled Employees (other than clerical)		Unskilled Employees		All Non Executive Officers		Skilled Employees		Unskilled Employees		All Minor Employees		Nomi- nal Wage Rate Index	Real Wage Rate Index	
	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	Nomi- nal Wage Rate Index	Real Wage Rate Index	
1968 Average	112.4	106.7	113.1	107.3	117.9	111.9	115.6	109.7	116.1	105.1	118.7	112.6	104.0	55.4	109.1	61.6	125.3
1969	121.0	91.2	122.1	129.5	97.5	126.0	94.9	127.6	95.1	134.3	101.0	132.0	54.4	57.2	104.9	61.0	119.1
1970	133.4	85.1	135.2	146.2	92.2	140.9	89.9	144.2	92.0	154.8	115.1	151.1	59.2	62.2	107.7	62.2	119.8
1971	164.5	84.6	168.8	171.1	91.2	180.6	103.9	183.6	95.4	200.7	118.4	194.7	59.4	62.4	104.9	69.2	116.7
1972	184.3	83.2	189.8	188.2	110.6	204.6	103.4	211.2	106.7	232.2	128.3	214.2	62.4	65.4	99.0	69.2	109.8
1973	207.1	89.6	213.4	248.4	117.4	288.4	107.4	281.4	108.4	271.4	117.3	260.9	71.4	72.0	94.9	70.6	103.4
1974	234.5	100.0	242.3	303.2	103.2	364.4	112.8	279.3	119.1	216.0	134.8	303.2	81.5	81.5	84.3	84.3	101.7
1975	210.1	89.6	216.5	27.5	107.6	235.0	100.2	255.4	104.7	276.3	117.8	265.6	86.2	87.3	102.8	89.1	106.2
1976	216.8	92.0	223.5	94.8	110.8	242.8	103.0	255.4	108.4	288.4	122.4	278.9	100.0	105.2	100.0	105.3	106.6
1977	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1978	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1979	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1980	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1981	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1982	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1983	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1984	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1985	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1986	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1987	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1988	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1989	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1990	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1991	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1992	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1993	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1994	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1995	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1996	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1997	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1998	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
1999	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2000	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2001	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2002	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2003	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2004	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2005	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2006	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2007	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2008	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2009	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2010	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2011	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2012	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2013	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2014	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2015	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2016	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2017	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2018	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2019	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2020	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2021	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2022	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2023	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	106.6
2024	234.5	100.0	242.3	107.6	116.4	264.4	107.1	279.3	113.1	316.0	137.9	303.2	100.0	105.2	100.0	105.3	

為替レートの変動

EXCHANGE RATES

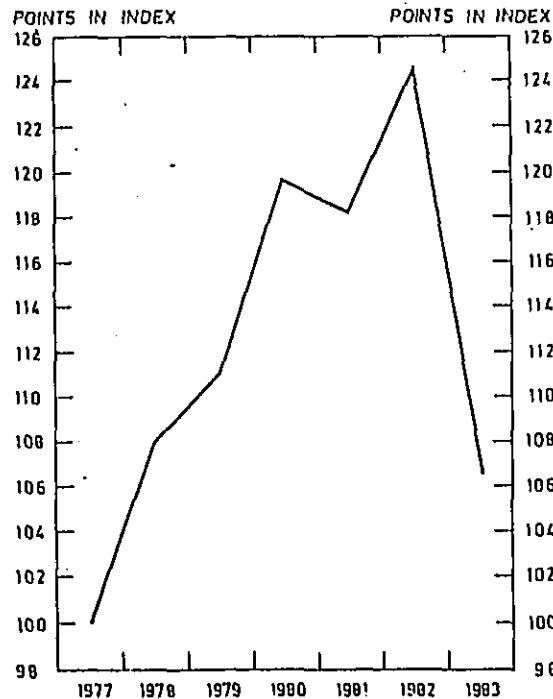
(Sri Lanka Rupees per Unit of Foreign Currency)

Country	Currency	Nov. 15 1977*	1977*	1985	April 1986
1. Australia	Dollar	9.5542	17.7462	18.6905	20.5815
2. Canada	Dollar	7.6783	14.2125	19.6048	20.2359
3. Denmark	Krone	1.3930	2.6945	3.0394	4.1642
4. Federal Republic of Germany	Deutsche Mark	3.7692	7.4250	11.1074	12.7926
5. France	Franc	1.7601	3.3220	3.6167	4.0157
6. Hongkong	Dollar	1.8162	3.3698	3.5097	3.5756
7. India	Rupee	1.0214	1.8500	2.2575	2.2711
8. Japan	Yen	0.0341	0.0649	0.1360	0.1656
9. Kuwait	Dinar	30.0030	30.5219	94.2973	94.1246
10. Netherlands	Guilder	3.5126	6.8698	9.8606	11.3405
11. New Zealand	Dollar	8.4049	5.9784	13.7175	16.2302
12. Pakistan	Rupee	0.8658	1.5879	1.7147	1.7120
13. Saudi Arabia	Riyal	2.4320	4.4483	7.5080	7.6377
14. Singapore	Dollar	3.5617	6.6724	12.9586	12.7080
15. Switzerland	Franc	3.8160	7.7625	13.1672	15.2886
16. United Kingdom	Pound	15.5255	29.8525	39.5764	43.0390
17. U. S. A.	Dollar	8.9990	15.5600	27.4075	27.8750
18. United Arab Emirates	Dirham	2.1959	3.9897	7.4629	7.5902

* From 16th November 1977, the Sri Lanka Rupee was allowed to float and daily buying and selling rates of major currencies for telegraphic transfers by commercial Banks were announced by the Central Bank of Sri Lanka.

インフレ率

INDEX OF INDUSTRIAL PRODUCTION OF THE PUBLIC SECTOR*



出典:

消費者物価指数

Colombo Consumers' Price Index

Base : average prices 1952=100

Annual averages

Year	Total	Food	Fuel and light	House Rent	Clothing	Miscellaneous
1967	114.9	112.7	96.4	101.5	116.7	128.9
1968	121.5	121.2	103.2	101.5	120.1	133.6
1969	130.5	127.9	124.9	108.4	130.8	147.1
1970	130.2	136.6	136.1	107.8	137.3	153.2
1971	141.9	137.1	140.8	109.8	145.0	159.5
1972	159.9	147.5	145.9	109.8	163.5	169.5
1973	165.4	166.2	164.4	109.8	186.1	169.8
1974	185.8	187.7	221.0	109.8	204.6	178.3
1975	198.3	204.3	237.1	109.8	208.1	191.9
1976	200.7	202.1	255.2	107.8	211.7	201.8
1977	203.3	203.3	257.5	109.8	223.8	208.4
1978	227.8	237.5	262.1	109.8	226.2	224.8
1979	252.3	263.3	328.5	109.8	231.2	252.4
1980	318.2	337.7	563.9	109.8	339.9	293.8
1981	375.4	399.6	767.9	109.8	257.8	345.7
1982	416.1	450.4	816.4	109.8	273.8	377.1
1983	474.2	501.3	1,087.6	109.8	291.1	433.7
1984	553.1	598.0	1,281.7	109.8	307.5	496.9

Source : Department of Census and Statistics.

建築着工量の推移

政府機関による新築建築物

New Residential Buildings Constructed by Government Departments*

Government Departments/Boards/Ministries	1977			1978			1979		
	No. of Buildings	Floor Space (sq.m.)	Cost (Rs.'000)	No. of Buildings	Floor Space (sq.m.)	Cost (Rs.'000)	No. of Buildings	Floor Space (sq.m.)	Cost (Rs.'000)
Colombo Port Commission ..	—	—	—	02	789	1,000	01	260	500
Land Development ..	31	2,052	2,264	03	227	278	01	433	30
Agriculture ..	—	—	—	—	—	—	—	—	—
Education ..	—	—	—	—	—	—	—	—	—
Railway ..	05	409	148	—	—	—	—	—	—
Irrigation ..	19	1,499	989	19	2,121	641	29	699	5,351
National Housing ..	—	—	—	—	—	—	268	9,815	4,028
River Valleys Development Board	—	—	—	—	—	—	—	—	—
Buildings Department ..	—	—	—	03	227	276	—	—	—
Prisons Department ..	—	—	—	—	—	—	04	533	631
Home Affairs ..	—	—	—	—	—	—	19	2,234	2,873

Source : Department of Census and Statistics.

Other New Buildings Constructed by Government Departments*

Government Departments/Boards/Ministries	1977			1978			1979		
	No. of Buildings	Floor Space (sq.m.)	Cost (Rs.'000)	No. of Buildings	Floor Space (sq.m.)	Cost (Rs.'000)	No. of Buildings	Floor Space (sq.m.)	Cost (Rs.'000)
Colombo Port Commission ..	01	114	100	01	455	600	—	—	—
Land Development ..	09	2,722	1,408	01	149	60	03	2,624	196
Agriculture ..	—	—	—	—	—	—	—	—	—
Education ..	—	—	—	—	—	—	—	—	—
Railway ..	03	989	294	—	—	—	—	—	—
Irrigation ..	04	3,089	359	17	2,269	465	—	—	—
National Housing ..	—	—	—	—	—	—	07	2,211	2,553
River Valleys Development Board	—	—	—	—	—	—	—	—	—
Buildings Department ..	—	—	—	01	595	330	—	—	—
Prisons Department ..	07	1,396	560	01	1,028	1,345	02	311	208
Home Affairs ..	—	—	—	—	—	—	14	2,272	1,790

Source : Department of Census and Statistics.

* The data for this table is not collected for 1920 onwards

新築建築物 (居住用のみ)

New Buildings (Residential Only)
Municipalities

Name of Municipality	1981			1982			1983			1984			
	No. of Buildings	Floor Space (sq. m.)	Cost Rs. ('000)	No. of Buildings	Floor Space (sq. m.)	Cost Rs. ('000)	No. of Buildings	Floor Space (sq. m.)	Cost Rs. ('000)	No. of Buildings	Floor Space (sq. m.)	Cost Rs. ('000)	
Total	836	98,222	170,940	1,334	186,328	268,224	1,725	211,340	313,565	1,487	187,823	310,613	
Colombo	108	23,538	..	201	39,226	101,335	149	32,971	88,725	
Negombo	..	112	10,622	7,454	124	11,168	9,491	162	16,028	12,722	166	15,622	12,974
Kandy	..	106	12,091	12,061	207	26,571	27,493	349	34,914	37,889	160	16,504	25,869
Badulla	..	26	2,667	1,008	51	4,814	2,201	36	4,449	3,226	38	4,801	5,226
Matte	..	13	1,932	1,035	41	4,954	6,550	64	7,252	3,648	53	6,583	6,982
Nuwara Eliya	14	1,765	996	01	146	85	06	733	1,095	
Galle	..	73	7,897	6,658	61	7,727	3,782	86	10,960	8,113	120	14,352	14,157
Jaffna	..	299	35,714	37,046	213	32,730	28,408	230	24,390	31,583	190	22,463	27,676
Kurunegala	..	69	8,650	11,437	61	8,462	67,129	57	14,035	7,134	75	9,685	8,976
Dehiwala-Mount Lavinia	..	96	13,720	15,456	285	56,343	115,752	406	46,974	97,150	402	51,704	105,550
Battaramulla	..	24	2,171	1,370	44	4,650	2,538	81	7,141	4,503	97	9,072	10,645
Ratnapura	..	18	2,757	2,704	25	3,606	3,884	53	5,825	4,175	31	3,332	2,728

Source : Department of Census and Statistics.

New Buildings (Residential Only)

Urban Councils

Urban Council	1981			1982			1983			1984			
	No. of Buildings	Floor Space (sq. m.)	Cost Rupees ('000)	No. of Buildings	Floor Space (sq. m.)	Cost Rupees ('000)	No. of Buildings	Floor Space (sq. m.)	Cost Rupees ('000)	No. of Buildings	Floor Space (sq. m.)	Cost Rupees ('000)	
District													
Total	1,297	139,023	103,962	1,292	151,617	172,122	1,461	172,618	187,041	1,525	167,654	189,266	
Colombo	..	430	58,866	63,580	514	74,082	118,246	608	81,485	121,175	496	58,995	95,081
Gampaha	..	225	20,675	11,605	187	16,603	11,953	235	22,051	16,295	254	24,039	24,276
Kalutara	..	191	20,205	8,859	168	21,626	12,041	180	20,278	16,236	144	17,597	14,217
Kandy	..	29	2,417	957	30	3,198	2,055	73	8,259	4,294	107	1,941	5,769
Nuwara Eliya	..	10	819	304	06	398	158	09	1,133	826	05	499	385
Galle	..	10	1,014	253	07	567	236	19	2,910	1,775	43	1,844	2,287
Matara	..	20	2,216	942	58	8,535	3,262	74	9,597	6,092	93	12,767	8,051
Hambantota	..	02	72	09	03	192	55	13	859	481	2	2,162	3,480
Trincomalee	..	14	912	387	28	2,501	1,422	46	4,790	2,592	31	2,743	1,981
Kurunegala	..	29	2,027	789	24	3,017	962	14	1,313	638	13	1,738	794
Puttalam	..	18	2,054	1,240	25	2,016	6,100	12	1,246	1,072	09	1,231	1,467
Anuradhapura	..	58	9,124	3,013	56	7,269	5,141	65	9,333	6,530	80	12,092	9,716
Badulla	..	01	73	15	05	783	309	02	260	60	02	240	150
Ratnapura	..	12	2,351	361	09	962	358	07	949	578	17	1,508	940
Kegalle	..	43	4,872	1,394	22	1,676	702	55	5,522	2,704	46	4,271	3,395
Jaffna	..	116	11,070	10,196	67	7,192	8,867	43	3,394	5,493	119	11,811	15,988
Vavuniya	..	08	206	18	03	290	255	02	209	100	15	2,151	489
Ampal	

Source : Department of Census and Statistics.

建設指数

建設費の推移

CONSTRUCTION COST INDEX (1969 = 100) 1977 - 1984

Construction Type	1977	1978	1979	1980	1981	1982	1983	1984
Brick Wall, Tile Roof and Cement Rendered Floor	176.9	267.2	368.4	555.1	653.4	699.2	749.5	815.4
Brick Wall, Asbestos Roofing and Cement Rendered Floor	192.9	274.7	338.7	523.5	612.9	666.0	713.2	779.4
Concrete Block Wall, Concrete Block Wall, Tile Roof and Cement Rendered Floor	174.2	269.7	345.8	593.9	694.9	734.7	791.4	839.2
Cement Sand Concrete Block Wall, Asbestos Roof and Cement Rendered Floor	191.6	275.3	377.6	575.4	670.3	716.2	783.3	841.3
Cement Sand Concrete Block or Brick Wall, Metal Sheets Roofing and Cement Rendered Floor	201.9	317.3	422.3	570.7	653.1	734.1	789.2	844.3
Brick wall, Tile Roof and Mud Floor	175.3	277.4	398.0	538.7	701.0	745.2	791.8	839.7
Brick wall with Mud Wall and Floor	182.8	291.7	391.3	532.0	620.2	634.9	676.9	782.3
Brick Wall and Roof with Mud Floor	171.0	282.2	378.0	541.2	619.5	667.6	761.6	814.2
All Housing	173.4	282.2	372.1	518.8	617.2	645.3	691.0	753.5

Source: Ministry of Housing & Construction

建設物価の変動

Cost Indices for Selected Building Materials and Different Construction Activities (1969=100)

Item	1979	1980	1981	1982	1983	
					1st half	2nd half
1. Cement ..	292	636	723	814	824	n.a.
2. Steel (MS. Bars) ..	458	504	572	573	573	n.a.
3. Bricks (Hand Moulded) ..	285	393	388	442	456	n.a.
4. Asbestos Sheet (corrugated) ..	411	607	627	706	767	n.a.
5. Timber (Sawn) ..	378	634	814	814	827	n.a.
6. Metal (3") ..	533	617	551	557	597	n.a.
7. P. V. C. Pipes (3") ..	459	520	520	520	520	n.a.
8. Housing Construction ..	347	519	617	645	673	n.a.
9. Non-Residential Buildings ..	320	463	548	586	611	n.a.
10. Other Construction Works ..	278	386	457	493	514	n.a.
11. All Construction Activities ..	327	469	558	592	618	n.a.

Sources: Ministry of Local Government,
Housing and Construction

運床面積当り建築単価及び工期

Local Construction Cost per m² & Estimated Construction Period

It is assumed that the construction methods and the buildings finishings are made according to local standards. The building is 1,000 m² in size and 2 stories in height. The building includes utilities, but excludes furnishings and air-conditioning.

No.	ITEM	STRUCTURE	COST/M ² MONTH									
			A(L)	B(L)	C(PL)	D(H)	E(M)	F(S)	G(FIELD)	H(MOY)		
1.	Office Building	R.C.	4,400 /m ² 18 mo.	5,560 /m ² --- mo.	40,000 /m ² 18 mo.	650 /m ² 10 mo.	2,691 /m ² -2,960 /m ² 10 mo.	70 /m ² 10 mo.	320 /m ² 6-9 mo.	3,225 /m ² 18 mo.		
"	"	Brick	4,100 /m ² 16 mo.	--- /m ² --- mo.	(R.C. and Brick combined Avg. quality)	450 /m ² 10 mo.	2,153 /m ² -2,522 /m ² 10 mo.	120 /m ² 10 mo.	290 /m ² 7 mo.	2,700 /m ² 15 mo.		
"	"	Steel	--- /m ² --- mo.	--- /m ² --- mo.	15,000 /m ² --- mo. (Factory)	500 /m ² 10 mo.	--- /m ² --- mo.	750 /m ² 10 mo.	--- /m ² --- mo.	5,400 /m ² 15 mo.		
2.	House	R.C. (non-luxury finishes)	4,000 /m ² 18 mo.	--- /m ² --- mo.	--- /m ² --- mo.	600 /m ² 10 mo.	--- /m ² --- mo.	70 /m ² 10 mo.	260 /m ² 9 mo.	3,800 /m ² 24 mo.		
"	"	Brick	3,900 /m ² 15 mo.	--- /m ² --- mo.	5,500 /m ² 12 mo.	400 /m ² 10 mo.	--- /m ² --- mo.	125 /m ² 10 mo.	240 /m ² 9 mo.	3,225 /m ² 24 mo.		
"	"	Wood	--- /m ² --- mo.	--- /m ² --- mo.	--- /m ² --- mo.	600 /m ² 10 mo.	--- /m ² --- mo.	1,200 /m ² 10 mo.	--- /m ² --- mo.	2,700 /m ² 18 mo.		

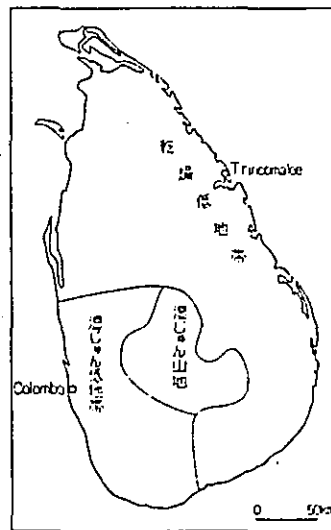
Note: D(M) - Structural costs only! Does not include finishings and services cost.

出典： 無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

B. 自然条件

気候区分

スリ・ランカの気候は、南西アジアモンスーン地帯に属し、その特徴は、どこの地域においても、年間の気温較差が少ないこと、および降雨量の地域および年間の較差が大きく、北東部の乾燥低地帯、南西部の湿潤低地帯および中央部の湿潤高地帯の3つのそれぞれ特色を持った気候地帯に大別できることである。これは、この島の北半分の大部分が平地、南半分が中央部にある1,000m~2,500mの山岳地帯と、それをとりまく海岸平野からなるという地形条件と、11月から3月にかけての赤道気団の南下による北東モンスーンおよび5月から9月にかけての赤道気団の北上による南西モンスーンの影響によるものである。



出典:

B.A 気象条件 [つづき]

温
度

月別平均気温

Mean air temperature at station level

Station and Month		Degrees Centigrade					
		Average 1931—1960	1980	1981	1982	1983	1984
Colombo							
Annual mean	.. ..	26.9	27.8	27.5	27.3	27.9	27.0
January	.. ..	26.2	27.4	26.2	26.9	27.0	26.5
February	.. ..	26.4	27.5	26.6	27.0	27.5	26.5
March..	.. ..	27.2	28.2	28.3	27.7	28.3	27.3
April	.. ..	27.7	28.2	28.5	28.6	29.5	27.7
May ..	.. ..	28.0	29.0	28.5	27.9	28.9	28.4
June	.. ..	27.4	28.2	27.8	27.8	28.5	27.5
July ..	.. ..	27.1	28.2	28.2	27.4	27.8	26.9
August	.. ..	27.2	27.9	28.0	27.5	27.9	27.5
September	.. ..	27.2	28.0	27.4	27.8	27.1	27.1
October	.. ..	26.6	27.2	27.0	27.2	27.4	26.7
November	.. ..	26.2	27.0	27.2	26.4	26.9	26.5
December	.. ..	26.1	26.7	26.4	26.4	26.9	26.5
Jaffna							
Annual mean	.. ..	27.6	28.4	28.1	28.1	28.5	-
January	.. ..	25.4	26.0	26.0	26.0	26.1	25.9
February	.. ..	26.1	26.8	26.8	27.0	28.1	26.3
March..	.. ..	28.0	28.7	29.2	28.7	29.3	28.2
April ..	.. ..	29.4	30.0	30.2	30.4	30.5	-
May ..	.. ..	29.4	30.4	30.0	29.8	30.6	-
June	.. ..	28.8	29.8	28.7	29.0	29.7	-
July ..	.. ..	28.4	29.4	28.8	28.4	29.5	-
August	.. ..	28.4	28.8	28.4	28.5	28.9	-
September	.. ..	28.3	29.1	27.9	28.4	28.2	-
October	.. ..	27.6	28.0	28.0	28.6	28.3	-
November	.. ..	26.4	27.4	27.2	27.2	27.4	-
December	.. ..	25.5	26.5	26.1	26.4	26.1	-
Trincomalee							
Annual mean	.. ..	28.0	29.1	28.6	28.9	28.9	27.9
January	.. ..	25.6	27.0	26.5	26.8	26.5	25.7
February	.. ..	26.2	27.4	26.8	27.2	27.6	25.9
March..	.. ..	27.4	28.4	29.0	28.3	28.9	27.4
April ..	.. ..	28.7	29.4	29.6	30.1	30.3	28.7
May ..	.. ..	29.8	31.0	30.3	30.4	31.7	30.1
June	.. ..	30.0	31.4	30.3	30.5	31.4	30.1
July ..	.. ..	29.6	31.3	29.5	30.9	30.7	28.3
August	.. ..	29.4	30.6	30.1	31.0	30.6	29.4
September	.. ..	29.3	30.6	28.7	30.7	30.3	28.1
October	.. ..	27.8	28.7	28.8	28.0	29.1	27.9
November	.. ..	26.2	27.4	27.2	26.8	25.7	26.1
December	.. ..	25.6	26.2	26.2	26.4	25.9	25.9

出典: Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

Mean air temperature at station level

(continued)

Station and Month	Degrees Centigrade					
	Average 1931—1960	1980	1981	1982	1983	1984
Habantota						
Annual mean	27.1	27.3	27.3	27.0	27.6	27.3
January	26.0	26.3	26.0	26.6	26.8	26.5
February	26.4	26.8	26.2	26.4	26.9	26.1
March	27.1	27.4	28.0	27.2	27.6	26.9
April	27.8	28.0	28.0	28.2	29.0	27.8
May	28.0	28.2	28.4	27.6	28.7	28.6
June	27.6	28.3	27.6	27.0	28.1	27.9
July	27.7	28.6	28.3	26.4	27.9	27.7
August	27.6	27.2	27.0	27.6	27.8	28.5
September	27.4	26.8	27.0	27.8	27.1	27.6
October	27.2	27.4	27.6	27.0	27.3	27.3
November	26.6	26.6	27.2	26.5	27.1	26.6
December	26.1	26.4	26.2	26.2	26.5	26.7
Ratnapura						
Annual mean	27.1	27.8	27.5	27.5	28.1	27.1
January	26.8	27.4	27.2	27.5	27.7	26.6
February	27.4	28.8	27.9	28.8	29.1	26.5
March	28.0	29.0	28.8	28.1	29.6	28.0
April	28.0	28.3	28.4	28.6	30.1	27.5
May	27.8	28.8	27.9	28.1	29.0	28.0
June	27.1	27.7	27.2	26.9	27.9	27.1
July	26.9	27.4	27.0	27.2	27.7	26.1
August	26.9	27.0	27.6	27.0	27.7	27.5
September	26.9	27.5	26.8	27.4	26.7	27.3
October	26.7	27.1	26.9	27.2	27.9	26.9
November	26.6	27.2	27.1	27.0	27.3	26.9
December	26.6	27.0	27.0	26.9	27.0	27.1
Anuradhapura						
Annual mean	27.3	28.2	27.9	28.0	28.9	27.7
January	24.6	25.2	25.4	25.1	25.8	26.1
February	25.7	27.0	26.7	27.0	28.3	26.2
March	27.6	29.0	29.7	29.3	30.3	28.3
April	28.1	29.2	29.4	29.6	31.5	28.5
May	28.6	29.6	29.4	28.8	29.7	29.7
June	28.4	29.0	28.6	28.5	29.7	29.0
July	28.5	29.5	28.8	29.0	30.1	27.8
August	28.6	29.4	29.0	29.4	30.0	28.8
September	28.7	29.3	27.7	29.4	28.9	28.5
October	27.4	27.6	27.7	27.9	28.9	27.4
November	25.9	27.0	26.8	26.8	26.9	26.5
December	24.9	26.2	25.6	25.4	26.3	25.9

Mean air temperature at station level

(continued)

Station and Month				Degrees Centigrade					
				Average 1931—1960	1980	1981	1982	1983	1984
Kandy									
Annual mean	..	..	..	24.3	24.8	24.6	24.9	25.2	24.0
January	..	..	..	23.1	23.5	23.4	23.8	23.8	23.2
February	..	..	..	23.8	24.9	24.0	24.7	25.6	23.5
March..	..	..	..	25.2	26.2	26.4	26.4	27.0	24.9
April	..	..	..	26.0	26.2	25.8	26.4	28.1	25.2
May ..	..	..	..	25.6	26.5	26.2	25.8	26.4	25.7
June	..	..	..	24.6	25.1	24.7	24.7	25.3	24.5
July ..	..	..	..	24.1	24.4	24.6	24.4	25.1	23.4
August	..	..	..	24.4	24.3	24.6	24.4	24.9	23.9
September	..	..	..	23.8	24.5	23.7	24.8	24.7	23.7
October	..	..	..	24.2	24.4	24.4	25.0	24.8	23.3
November	..	..	..	24.0	24.4	24.1	24.6	23.9	23.7
December	..	..	..	23.2	23.8	23.5	23.8	24.1	23.2
Diyatalawa									
Annual mean	..	..	..	20.2	20.7	20.5	20.1	20.9	20.0
January	..	..	..	18.2	18.0	18.0	17.8	18.4	18.7
February	..	..	..	19.0	19.1	18.6	18.6	19.5	18.7
March..	..	..	..	20.0	20.2	20.9	20.1	20.9	19.7
April	..	..	..	20.8	21.4	21.3	21.1	22.0	20.9
May ..	..	..	..	21.4	22.4	23.5	21.2	22.0	21.1
June	..	..	..	21.4	21.1	21.7	21.4	22.5	21.5
July..	..	..	..	21.2	22.2	21.4	21.2	22.4	20.4
August	..	..	..	21.0	21.7	21.4	21.2	22.1	21.0
September	..	..	..	20.8	21.2	20.8	20.9	21.5	19.9
October	..	..	..	20.3	20.7	20.5	19.9	20.7	19.7
November	..	..	..	19.5	19.9	20.0	19.7	19.5	19.3
December	..	..	..	18.6	19.2	18.3	18.8	19.7	18.5
Nuwara Eliya									
Annual mean	..	..	..	15.4	15.7	15.7	15.6	16.5	15.7
January	..	..	..	14.3	14.2	14.0	13.4	14.6	15.2
February	..	..	..	14.3	14.8	14.8	14.6	16.3	15.1
March..	..	..	..	14.8	15.4	16.6	16.0	17.1	16.5
April	..	..	..	16.0	17.0	16.7	16.8	18.0	17.1
May ..	..	..	..	16.7	17.6	17.4	16.8	17.9	17.3
June	..	..	..	16.0	16.2	15.8	16.0	17.2	15.7
July ..	..	..	..	15.6	15.7	15.9	15.4	16.5	14.7
August	..	..	..	15.8	15.0	15.6	16.0	16.7	15.7
September	..	..	..	15.6	15.9	15.4	16.2	16.2	15.1
October	..	..	..	15.6	15.6	16.0	16.1	16.3	14.7
November	..	..	..	15.4	15.5	15.6	16.0	15.1	15.2
December	..	..	..	14.8	15.0	15.4	14.8	15.8	15.0

Source : Department of Meteorology.

月別平均湿度

Mean Relative Humidity

Per cent.

Station and Month	Average 1931-1960		1980		1981		1982		1983		1984	
	D	N	D	N	D	N	D	N	D	N	D	N
Colombo												
Means of relative humidity	76	89	74	88	75	89	75	89	75	89	77	90
January	71	89	62	80	70	90	64	83	65	83	76	92
February	72	91	66	85	70	89	66	87	71	87	75	91
March	72	92	65	88	70	90	72	90	70	87	71	91
April	75	91	78	92	77	91	74	89	69	86	80	93
May	78	88	79	89	81	90	78	92	77	89	81	89
June	79	86	80	84	79	87	81	88	80	88	81	88
July	78	86	78	85	77	85	79	88	79	89	81	89
August	78	86	78	86	76	86	78	86	79	89	77	86
September	77	87	76	84	80	88	86	87	82	91	75	87
October	79	90	80	91	77	92	76	95	76	91	77	89
November	77	92	77	94	74	89	81	95	76	92	79	94
December	74	90	74	92	70	88	73	88	77	93	72	88
Jaffna												
Means of relative humidity	76	86	74	86	75	86	73	84	75	84	—	—
January	72	88	68	87	68	84	66	—	66	80	77	87
February	69	89	62	84	68	84	64	86	66	81	81	90
March	68	86	66	84	70	87	66	84	66	81	73	85
April	74	84	76	86	70	84	68	82	68	83	—	—
May	78	83	78	84	76	84	76	84	75	82	—	—
June	79	82	76	83	80	84	80	84	78	83	—	—
July	79	83	75	84	77	86	80	86	78	83	—	—
August	79	84	78	86	78	85	79	85	81	86	—	—
September	78	83	79	88	80	88	77	82	83	87	—	—
October	79	86	79	89	79	87	74	86	79	87	—	—
November	79	90	77	92	76	88	80	88	73	87	—	—
December	76	89	73	88	75	89	73	82	83	91	—	—
Trincomalee												
Means of relative humidity	70	83	68	80	71	82	63	81	69	—	74	86
January	78	82	69	73	73	78	68	74	73	78	86	90
February	75	82	68	76	73	77	66	76	70	82	86	90
March	74	85	69	83	71	81	70	84	67	82	77	89
April	72	86	76	86	71	85	68	83	67	—	75	90
May	66	82	66	81	68	82	69	84	64	—	68	85
June	61	78	57	76	62	79	67	83	—	—	61	79
July	61	78	56	76	72	85	58	78	59	—	71	84
August	63	80	58	77	62	79	56	75	64	—	63	81
September	64	80	60	78	70	84	60	79	62	—	70	85
October	73	86	70	85	73	87	76	87	69	—	67	86
November	79	88	80	87	76	86	82	89	81	92	84	91
December	80	85	83	87	77	82	78	80	88	93	80	84

湿度 [のき]

Mean Relative Humidity

(continued)

Per cent.

Station and Month	Average 1931—1960		1980		1981		1982		1983		1984	
	D	N	D	N	D	N	D	N	D	N	D	N
	Hambantota											
Means of relative humidity	77	89	75	86	75	86	77	87	75	86	76	86
January	76	89	68	81	71	83	66	80	70	83	77	87
February	75	89	68	81	70	84	69	82	70	86	80	87
March	75	90	70	83	76	87	74	85	71	82	75	88
April	77	90	78	88	78	88	78	88	71	83	79	89
May	80	89	82	89	80	88	80	88	77	86	79	87
June	79	88	75	86	76	88	81	92	79	87	77	87
July	76	87	68	85	70	84	84	91	78	86	73	86
August	76	87	78	88	80	88	76	86	79	89	64	80
September	78	88	78	88	79	88	73	87	80	88	72	82
October	78	89	77	87	72	83	77	89	78	88	74	85
November	78	91	80	90	74	86	83	93	73	87	78	88
December	77	90	78	89	73	86	80	88	78	89	73	85
Ratnapura												
Means of relative humidity	76	93	74	93	75	92	75	92	74	92	78	93
January	72	94	67	92	68	92	65	90	70	92	80	93
February	69	93	56	89	63	92	56	89	63	88	81	95
March	71	93	64	92	69	92	70	92	63	89	73	93
April	76	94	80	95	78	93	76	93	65	88	82	95
May	78	93	79	94	80	92	81	93	75	93	81	93
June	79	92	78	94	78	92	83	93	81	94	82	93
July	77	92	79	92	79	92	78	92	78	93	83	94
August	76	92	80	94	76	94	76	94	79	93	71	87
September	76	93	74	93	79	92	76	92	82	95	71	90
October	78	94	79	94	80	—	82	94	73	92	76	92
November	79	94	82	..	76	92	82	94	75	94	81	93
December	76	94	76	92	72	92	79	93	80	94	75	93
Anuradhapura												
Means of relative humidity	70	92	67	90	69	92	68	90	66	89	72	91
January	77	95	68	92	70	93	66	91	70	93	81	94
February	70	94	58	89	64	92	54	89	57	89	83	95
March	65	94	55	88	59	91	58	89	51	85	69	91
April	70	94	71	92	67	91	68	91	56	87	75	93
May	71	92	69	90	69	90	76	94	70	92	69	91
June	67	89	66	87	69	89	71	90	66	89	67	87
July	64	87	60	84	70	91	64	88	64	84	71	89
August	64	89	60	84	66	89	60	86	62	85	62	86
September	62	89	64	90	74	92	59	86	66	89	65	88
October	72	93	79	96	73	93	76	94	65	89	67	92
November	79	95	80	95	75	93	80	95	76	93	82	95
December	80	95	78	95	76	94	81	94	84	96	77	94

Mean Relative Humidity

(continued)

Per cent.

Station and Month	Average 1931--1960		1980		1981		1982		1983		1984	
	D	N	D	N	D	N	D	N	D	N	D	N
	Kandy											
Means of relative humidity	72	90	72	91	72	92	72	91	69	91	77	93
January	70	88	69	92	66	92	66	91	69	91	81	95
February	64	87	55	82	61	91	51	89	55	90	81	94
March	64	90	56	91	60	90	59	92	52	88	72	95
April	71	93	75	96	74	95	72	94	56	89	79	95
May	72	90	74	94	72	92	78	95	70	95	75	93
June	76	87	76	88	74	86	80	90	74	89	78	87
July	75	87	76	87	77	90	78	89	75	91	79	91
August	75	88	76	88	75	88	75	90	73	91	72	89
September	72	89	72	94	78	92	72	90	75	93	71	93
October	75	92	78	95	75	96	78	95	70	93	75	93
November	76	93	80	96	78	96	80	94	75	95	81	95
December	74	90	78	94	74	93	80	92	80	93	76	94
Diyatalawa												
Means of relative humidity	72	88	69	88	68	86	71	89	66	87	75	89
January	81	94	78	94	65	88	73	92	76	92	84	93
February	72	88	66	94	62	88	54	84	51	81	85	93
March	69	88	65	93	68	90	63	90	56	88	75	91
April	75	91	78	95	72	94	72	91	57	88	79	91
May	71	87	73	90	70	90	77	89	71	91	75	91
June	64	79	61	78	62	74	68	85	63	82	65	80
July	63	79	57	74	66	78	66	80	61	79	69	84
August	64	82	60	80	63	77	60	82	63	—	62	84
September	65	84	58	84	70	84	66	86	67	83	70	89
October	74	90	73	90	71	88	79	94	69	89	71	91
November	81	94	81	94	76	93	84	95	79	93	82	91
December	83	94	77	94	77	91	86	94	84	94	79	91
Nuwara Eliya												
Means of relative humidity	78	90	79	91	78	88	78	90	73	86	81	91
January	76	89	74	85	68	79	72	86	74	82	84	93
February	69	88	62	80	58	72	51	70	43	56	86	94
March	67	88	62	83	68	82	60	82	46	67	73	82
April	76	92	80	93	72	89	68	89	52	79	80	92
May	80	91	80	95	80	94	81	93	75	94	76	91
June	85	89	88	94	84	89	89	95	83	93	89	93
July	84	89	88	95	85	92	87	94	83	93	89	93
August	83	90	84	92	88	94	84	91	84	95	79	89
September	82	89	81	90	88	95	84	93	80	93	79	90
October	81	91	84	96	80	92	84	97	80	91	82	92
November	80	90	84	95	83	92	84	96	79	90	84	93
December	79	91	78	90	77	86	85	91	87	95	74	84

D=Day.

N=Night.

Source : Department of Meteorology.

雨
量

平均雨量

Rainfall

m.m

Station and Month		Average 1931—1960	1980	1981	1982	1983	1984
Colombo							
Annual total	.. .. .	2,395.6	1,995.9	2,078.1	2,005.5	1,750.1	2,493.1
January	.. .. .	87.9	0.6	117.4	4.1	—	211.5
February	.. .. .	96.0	—	93.3	0.2	43.0	179.6
March	.. .. .	117.6	29.9	102.5	311.8	60.3	162.5
April	.. .. .	259.8	228.1	199.7	108.8	83.0	254.0
May	.. .. .	352.6	214.8	441.3	323.7	336.5	491.0
June	.. .. .	211.6	277.9	182.4	195.0	118.6	176.8
July	.. .. .	139.7	35.7	34.5	160.9	163.1	127.8
August	.. .. .	123.7	141.5	79.9	123.6	94.0	4.9
September	.. .. .	153.4	176.2	120.1	104.9	291.5	339.3
October	.. .. .	354.1	451.9	193.1	186.6	94.8	161.3
November	.. .. .	324.4	267.0	460.2	434.9	241.7	360.2
December	.. .. .	174.8	172.3	53.7	51.0	223.6	24.2
Jaffna							
Annual total	.. .. .	1,329.4	914.2	1,469.2	966.5	1,184.1	1,745.6
January	.. .. .	96.5	1.1	26.8	0.2	5.8	205.7
February	.. .. .	36.8	0.3	26.9	—	—	481.7
March	.. .. .	30.0	45.8	16.9	15.7	—	84.5
April	.. .. .	70.1	45.1	42.6	60.8	34.8	70.7
May	.. .. .	62.7	24.2	41.5	56.2	1.6	10.5
June	.. .. .	16.3	27.4	0.1	15.3	41.5	0.7
July	.. .. .	16.5	1.1	83.2	0.1	6.9	126.1
August	.. .. .	31.5	0.2	8.1	11.0	46.5	26.8
September	.. .. .	47.5	40.	82.8	81.0	145.3	111.2
October	.. .. .	243.6	365.	373.8	185.6	127.1	36.9
November	.. .. .	411.2	208.	508.5	381.8	152.8	572.8
December	.. .. .	266.7	154.	259.0	158.6	621.8	18.0
Tricomalee							
Annual total	.. .. .	1,727.0	765.3	1,402.0	1,473.0	1,305.8	2,572.4
January	.. .. .	210.9	1.4	23.9	13.1	52.1	468.8
February	.. .. .	95.2	—	138.0	—	—	719.9
March	.. .. .	48.3	3.0	1.6	31.5	—	73.7
April	.. .. .	76.7	152.2	126.8	29.2	1.9	90.6
May	.. .. .	67.8	26.2	185.9	0.8	140.5	72.1
June	.. .. .	18.5	—	54.6	31.7	61.2	0
July	.. .. .	54.1	28.0	86.4	1.8	169.6	133.2
August	.. .. .	102.9	42.6	19.2	16.7	162.9	120.7
September	.. .. .	88.9	38.1	134.6	105.9	17.0	198.1
October	.. .. .	234.7	97.2	214.9	170.1	103.3	83.4
November	.. .. .	355.1	215.5	235.3	568.3	283.6	461.4
December	.. .. .	373.9	161.1	180.8	498.5	613.7	150.5

B.A 気象条件 [つづき]

雨
量
[センチ]

Rainfall

(continued)

m.m.

Station and Month	Average 1931—1960	1980	1981	1982	1983	1984
Hambantota						
Annual total	1,075.4	1,125.5	751.7	1235.0	639.0	995.8
January	100.8	17.0	48.3	3.3	7.4	152.9
February	58.4	—	43.5	0.2	0.4	155.2
March	66.3	29.6	12.0	213.5	22.7	141.7
April	109.0	291.3	169.8	103.3	25.8	103.5
May	120.9	108.0	54.3	151.7	66.9	1.6
June	55.1	49.5	11.6	149.4	16.1	62.6
July	43.2	13.1	26.0	129.6	63.0	56.4
August	42.2	33.0	82.5	26.4	44.2	.0
September	45.5	44.2	39.5	17.9	113.1	22.0
October	125.7	180.3	96.4	106.4	63.4	107.0
November	187.4	283.9	66.2	256.2	108.1	173.8
December	120.9	75.6	100.8	77.1	107.4	19.1
Ratnapura						
Annual total	3,887.9	3,270.8	3,098.0	4,499.5	3,358.1	4,215.0
January	151.4	42.7	99.4	55.5	93.1	274.7
February	180.6	27.9	145.9	24.4	78.8	407.1
March	243.6	214.9	174.1	318.1	150.1	356.7
April	340.6	379.2	280.1	455.4	128.0	529.2
May	494.3	400.5	292.5	545.3	495.1	564.0
June	462.5	333.9	347.8	892.5	367.6	343.5
July	306.6	327.3	325.8	307.2	276.1	515.9
August	327.7	273.2	141.1	267.2	284.4	48.2
September	315.0	220.5	424.4	237.5	459.5	312.1
October	498.4	293.6	299.6	628.2	146.0	255.4
November	353.6	507.6	379.8	638.8	344.6	343.7
December	213.6	249.5	187.5	129.4	537.8	264.5
Anuradhapura						
Annual total	1,447.3	1,123.6	1,059.8	1,033.9	1,125.8	1,877.2
January	123.2	0.1	46.7	—	4.6	289.7
February	53.6	—	19.3	—	—	527.5
March	98.8	112.1	53.8	122.3	—	156.1
April	186.9	184.3	151.7	137.8	74.6	169.9
May	99.6	103.8	74.1	77.9	190.3	26.3
June	31.8	22.1	13.8	33.4	18.2	0.3
July	31.8	2.6	61.2	4.9	19.3	75.9
August	46.7	—	85.8	.0	24.3	.0
September	64.6	103.3	146.0	76.8	72.0	161.2
October	232.9	215.5	165.1	255.9	121.6	114.4
November	248.4	291.0	159.7	177.5	128.0	286.6
December	242.3	98.8	82.6	147.4	472.1	69.3

出典: Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

B.A 気象条件 [つづき]

雨
量
〔つづき〕

		Rainfall					m.m.
		(continued)					
Station and Month		Average 1931—1960	1980	1981	1982	1983	1984
Kandy							
Annual total	.. .. .	2,022.0	1,552.6	1,539.6	2,055.6	1,323.8	2,139.6
January	.. .. .	118.4	4.8	51.8	4.8	5.1	203.9
February	.. .. .	83.1	0.4	26.0	—	11.4	147.5
March..	.. .. .	120.1	39.1	97.1	69.2	2.1	227.9
April	.. .. .	188.2	210.3	92.3	333.6	11.4	313.7
May ..	.. .. .	190.0	186.4	28.9	319.9	182.0	147.5
June	.. .. .	184.7	111.7	164.7	218.3	77.9	115.4
July ..	.. .. .	154.4	102.5	234.4	157.7	110.9	175.3
August	.. .. .	142.0	87.7	87.9	67.3	123.7	53.0
September	.. .. .	122.2	150.0	318.2	51.6	89.9	263.6
October	.. .. .	258.6	211.6	93.1	196.4	162.8	133.5
November	.. .. .	249.7	362.7	273.3	358.5	258.1	230.4
December	.. .. .	210.6	85.4	71.9	278.1	288.5	127.9
Diyatalawa							
Annual total	.. .. .	1,730.0	1,283.8	1,362.0	1,434.9	1,239.9	1,977.8
January	.. .. .	152.4	23.2	43.9	3.5	18.3	227.7
February	.. .. .	85.6	0.2	50.0	2.7	37.1	235.9
March..	.. .. .	121.4	58.3	73.5	202.8	14.9	219.4
April	.. .. .	210.1	254.8	156.1	121.8	63.7	239.1
May ..	.. .. .	143.0	62.9	95.3	214.3	176.0	112.5
June	.. .. .	46.2	1.3	28.2	4.4	14.7	21.7
July ..	.. .. .	58.7	0.1	243.9	29.6	37.9	116.7
August	.. .. .	89.4	22.0	64.4	55.1	59.3	172.7
September	.. .. .	94.5	122.2	124.1	104.6	18.4	165.7
October	.. .. .	248.2	303.8	181.3	270.3	290.3	114.6
November	.. .. .	277.1	305.6	200.1	226.3	237.2	216.6
December	.. .. .	203.4	129.4	101.2	161.2	271.2	134.3
Nuwara Eliya							
Annual total	.. .. .	2,162.8	1,417.4	1,759.2	1,866.1	1,215.0	2,093.6
January	.. .. .	145.0	30.1	92.0	6.2	21.9	143.1
February	.. .. .	76.0	—	69.9	—	0.2	210.9
March..	.. .. .	96.5	43.3	68.0	103.6	6.7	156.3
April	.. .. .	153.7	172.4	57.6	109.5	15.9	212.7
May ..	.. .. .	236.7	110.7	148.2	305.2	117.0	79.5
June	.. .. .	266.6	90.7	272.8	349.4	62.1	209.2
July ..	.. .. .	222.5	133.5	235.6	140.1	112.2	261.5
August	.. .. .	179.6	124.6	96.8	131.9	107.7	161.5
September	.. .. .	165.1	154.2	271.2	69.7	107.0	223.7
October	.. .. .	222.2	247.3	155.0	161.9	105.0	174.4
November	.. .. .	208.5	232.9	201.1	275.4	232.6	149.6
December	.. .. .	190.8	77.7	90.0	212.2	283.7	107.2

Source : Department of Meteorology.

風向
・
風速

(1) スリ・ランカにおける平均風速は、3~4m/秒であり、最大でも15m/秒を越えることはなく、建物に被害を及ぼすような風は吹かない。主な都市における平均風速は下表の通りである。

平均風速 m/秒

	年	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
コロンボ	2.4	2.7	2.0	1.7	1.8	2.7	3.1	2.7	2.7	2.7	2.2	1.8	2.6
トリンコマリー	2.9	2.2	2.0	1.7	1.9	3.5	4.9	4.7	4.0	3.7	2.5	1.7	2.2
マナール	3.7	4.2	3.4	2.9	2.8	4.1	4.5	4.0	4.2	4.1	3.2	3.0	4.1
ハンバントタ	3.9	4.0	3.9	3.1	2.7	4.1	4.7	4.8	4.9	4.8	3.6	2.7	3.1

なお、コロンボにおける風向を以下に示す。

		年	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
風向 ・ 風速 測 回 数 (%)	静風	4	4	1	5	0	7	0	11	1	8	1	4	1
	N	8	14	14	10	4	5	1	5	1	8	8	15	14
	NE	11	29	6	21	1	16	1	9	1	15	2	25	7
	E	1	1	0	2	0	3	0	4	0	4	1	2	0
	SE	2	2	0	3	0	5	1	7	1	6	1	3	0
	S	5	2	4	3	3	5	4	8	6	6	7	3	5
	SW	36	32	31	33	36	37	44	33	42	33	38	33	31
	W	20	12	21	14	32	15	35	13	33	13	26	11	19
	NW	13	4	23	6	21	7	14	10	15	7	16	4	20

日照
・
日射

(2) 一般に日ざしは強く、日照率も高い。次表に、コロンボにおける日照時間、および日照率を示す。

	年	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
日照時間	2507	236	249	230	222	180	165	186	198	198	205	198	220
日照率 (%)	57	62	75	69	60	47	44	49	52	55	55	56	61

出典:(1)Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

(2) アジアの気候 (世界気候誌 第1巻) 古今書院

一般的な地勢・地質

スリ・ランカは、インドの南南東、インド洋上の北緯 $5^{\circ} 55'$ から $9^{\circ} 50'$ 、東経 $79^{\circ} 42'$ から $81^{\circ} 52'$ に位置するスリランカ島と、いくつかの島からなる熱帯の島国である。スリ・ランカ島の最長距離は、北のバルミラ岬から南のドンドラ岬に至る432kmで、最大山は、西のコロンボから東のサンガマンカンダに至る224kmであり、面積は約65,609 km^2 である。

島は西洋梨形で、地形は北半分がほとんど平地であるのに対して南半分は、海拔2,524 mの最高峰ピドゥルトニガラ (Pidurutningala)を中心として海拔1,000mから2,000mの山々からなる山岳地帯とそれを取りまく、海岸平野からなっている。川はこの山岳地帯から発し、放射状に海に注ぐ。最長の河川は、延長335kmのマハベリ河(Mahaweli-Ganga)で、その他にも延長 100kmを越える河川が15ある。

出典：

Area of Sri Lanka by provinces and districts

Province and District (1)	Square Kilometres (2)		
	Total Area	Land Area	Large Inland waters
Sri Lanka	65,609.8	64,453.6	1,156.2
Western Province	3,682.9	3,631.9	51.0
Colombo	698.7	656.7	42.0
Gampaha	1,386.6	1,386.6	—
Kalutara	1,597.6	1,588.6	9.0
Central Province	5,674.0	5,620.1	53.9
Kandy	1,939.5	1,906.3	33.2
Matale	1,993.3	1,993.3	—
Nuwara Eliya	1,741.2	1,720.5	20.7
Southern Province	5,543.4	5,497.4	46.0
Galle	1,651.6	1,635.6	16.0
Matara	1,202.5	1,202.5	—
Hambantota	2,609.3	2,579.3	30.0
Northern Province	8,884.6	8,687.6	197.0
Jaffna	1,025.3	983.6	41.7
Kilinochi	1,279.3	1,235.0	44.3
Mannar	1,996.2	1,985.2	11.0
Vavuniya	1,966.9	1,966.9	—
Mullaitivu	2,616.9	2,516.9	100.0
Eastern Province	9,996.0	9,635.3	360.7
Batticaloa	2,854.3	2,686.3	168.0
Amparal	4,414.9	4,318.2	96.7
Trincomalee	2,726.8	2,630.8	96.0
North-Western Province	7,888.2	7,826.2	62.0
Kurunegala	4,815.8	4,812.8	3.0
Puttalam	3,072.4	3,013.4	59.0
North Central Province	10,472.5	10,258.5	214.0
Anuradhapura	7,179.3	7,034.3	145.0
Polonnaruwa	3,293.2	3,224.2	69.0
Province of Uva	8,500.0	8,348.4	151.6
Badulla	2,861.3	2,802.8	58.5
Monaragala	5,638.7	5,545.6	93.1
Province of Sabaragamuwa	4,968.8	4,948.2	20.6
Ratnapura	3,275.4	3,255.4	20.0
Kegalle	1,692.8	1,692.8	—

Source : Survey Department.

(1) Gampaha and Mullaitivu are two new districts which have been carved out in terms of constitutional changes promulgated in October, 1978, and Kilinochi district was created in 1984

(2) 1 Sq. Km. = 100 Hectares.

河川・山岳の状況

主な河川

名 稱	長さ	km
Mahaweli Ganga	335	
Aruvi Aru	164	
Kala Oya	148	
Keluri Ganga	145	
Yan Oya	142	
Deduru Oya	142	
Walawe Ganga	138	
Maduru Oya	136	
Maha Oya	134	
Kalu Ganga	129	
Kirindi Oya	117	
Kumbukkan Oya	116	
Menik Ganga	114	
Gim Ganga	113	
Mi Oya	109	
Gal Oya	108	

主な山

名 稱	高さ	地 域
	m	
Pidurutningala	2,524	Nuwara Eliya
Kirigalpotta	2,389	do
Totapalakkanda	2,357	do
Sri Pada(Adam's Peak)	2,238	Ratnapura
Kikilimana	2,238	Nuwara Eliya
Great Western	2,212	do
Hakgaia	2,170	do
Conical Hill	2,166	do
Mahakudagala	2,097	do
Waterfall Point	2,074	do
Namunukula	2,036	Badulla
Gommolli Kanda	2,034	Ratnapura, Badulla
Knuckles	1,863	Kandy
Kotagala	1,753	Kandy, Nuwara Eliya

Source : Survey Dept.

出典: Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

B.C 災 害

地
震

世界の地震発生地域から外れており、過去にさかのぼっても、被害をおよぼすような地震は記録されていない。

風
水
害

スリ・ランカにおいては、日本でみられるような暴風雨はないが、スコールによる瞬間降雨量が多いので、排水計画には留意する必要がある。また、低地では河川の氾濫に注意を要する。コロンボ地区において、風水害の記録はない。

雷

スリ・ランカにおいては、雷を伴う降雨がしばしばみられ、コロンボでは、1年間で99日の落雷日数が記録されている。避雷針の設置が必要である。

	年	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
雷日数	99	6	8	13	17	13	4	2	2	3	10	12	9



虫
害

白蟻が多いので、木軸組は採用しない方が良い。
鳥類、特にカラスが多いので、それに対する防護策を講じる必要がある。

出典：※ アジアの気候（世界気候誌 第1巻）古今書院

C. 一般建設事情

スリ・ランカの公共営繕は施設毎に営繕部門をもっていない場合が多く、建築関係は建設省建築局 (Building Department, Ministry of Local Government Housing and Construction)、電気・空調関係は電力庁 (Ceylon Electricity Board)、給排水衛生関係は国家上下水道庁 (National Water Supply and Drainage Board) が行っている。このように担当部局が異なるため総合調整が難しく、支障を来している状況にある。

ただ、近年の動きとして、建設省建築局は、直接営繕を行わず、民間に委託する例が増えている。

建設活動に関する政府機関

Ministry of Defence	Army Navy Air Force Police Civil Aviation Dept. Air Ceylon
Ministry of Plan Implementation	Employment & Manpower Planning
Ministry of Transport	Railway Dept. Ceylon Transport Board
Ministry of Land & Land Development	Survey Dept. Irrigation Dept. Water Resources Board Colombo District Development & Reclamation Board Land Development Dept. Dept. of Machinery & Equipment State Development & Construction Corp. State Timber Corp.
Ministry of Rural Development	Dept. of Rural Development
Ministry of Local Government, Housing & Construction	Dept. of Building Dept. of National Housing Building Materials Corp. Building Materials Manufacturing Corp. State Engineering Corp. of Sri Lanka National Water Supply & Drainage Board Urban Development Authority and National Housing Development Authority
Ministry of Trade & Shipping	Insurance Corp. of Ceylon
Ministry of Fisheries	Ceylon Fishery Harbours Corp.

C.A 公共営繕 [つづき]

Ministry of Posts & Telecommunications	Dept. of Posts & Telecommunications
Ministry of Industries & Scientific Affairs	Ceylon Steel Corp. Ceylon State Hardware Corp. Ceylon Plywood Corp. Ceylon Ceramics Corp. Ceylon Cement Corp. Ceylon Tyre Corp. Ceylon Petroleum Corp. Atomic Energy Authority of Ceylon State Graphite Corp.
Ministry of Agricultural Development & Research	Land Reforms Commission Agricultural Development Authority
Ministry of Labour	Dept. of Labour
Ministry of Power & Highways	Dept. of Highways Ceylon Electricity Board
Ministry of State	Ceylon Hotels Corp.

出典: Statistical Abstract of the Democratic Socialist Republic of Sri Lanka 1985

根拠法令

建築法規には、都市開発局法, No. 41, 1978 (Urban Development Authority Law No. 41 of 1978) に基づいた、都市計画局、計画建築基準 (Urban Development Authority Planning and Building Regulations, 1986) がある。この規則は建築目的のための土地使用や建築物の建設に関する計画の届出、許可、計画者の資格、都市計画上の制限、建築計画、建築技術などについて、かなり具体的に規定している。ただし、特殊な建築や、高度の建築設備を備えた建築については、当局が認める基準に従ったものといったような表現になっており具体的には記述されていない。

消防法

一般的な規則としては、高層建築基準, 4階建又は40フィート以上の建物 (REQUIREMENTS FOR HIGH RISER BUILDINGS OVER FOUR FLOORS OR OVER 40FT IN HEIGHT) のなかで簡単に述べられている。

具体的なプロジェクトについては、所轄の消防署の担当官がその都度指示し、それが、そのプロジェクトについての消防法となる。

都市計画法

首都コロンボについて、コロンボ市開発計画 (都市計画局1985) (CITY OF COLOMBO DEVELOPMENT PLAN (Urban Development Authority 1985)) がある。

道路法

住宅都市改良基準法, 第2章道路, (Housing and Town Improvement Ordinance—Chapter II, Streets) のなかに、建築物施工にあたって関係する条文がある。

出典:

Urban Development Authority Planning and Building Regulations, 1986

Submission of Plans
Building Categories
Submission of Structural and Service Plans
Preliminary Planning Clearance and Approval of Plans
Appeals Against Refusal
Development to be in conformity with the Permit
Suitability of Site
Use of Site
Floor Area Ratio
Access
Specification as to Lots
Height of Buildings
Street Lines and Building Lines
Sub-Division of Land
Layout for Flats and Housing Units
Open Spaces Around Buildings
Parking
Splaying of Corners of Streets
Architectural Control
Conservation of Places of Historical, Architectural Interest or
Landscape Value
Landscape and Tree Prosrvation
Advertisement Control
Airport and Other Zones
Clearance From Electric Lines
Building Regulations
Stair Case
Lighting and Ventilation
Mechanical Ventilation and Air Conditioning
Foundations
Lifts
Water Supply and Sewerage
Drainage
Waste Disposal
Electrical and Plumbing Work
Fire Safty
Certificate of Conformity
Unsafe Buildings
Definitions
(The Gazette of the Democratic Socialist Republic of Sri Lanka)

行政組織

建築確認申請に関係する官庁

確認申請書は、所轄の市町村に提出する。首都コロomboにおける確認申請に関係する省庁は、次の図のようになっている。

地方自治体
組織

コロombo開発会議
委員長 + コロombo地区担当大臣

下部機関
(前村落会議)

担当官
(地方自治体活動はすべてこの担当官の所管となる)

建築許認可は都市開発局、所属委員会によって行われる。

1. 担当官 (議長)
2. 都市開発局指名の委員と係官

地方自治体の活動

1. 建築許可
2. 道路建設と保守
3. 公衆衛生と給水
4. 電力供給

出典:

手続き

給 水 (上水道)

所轄の市町村の水道局(WATER WORKS) 担当者に、申請書を提出し、給水位置、給水管径を決定してもらう。

排 水 (下水道)

所轄の市町村の水道下水道局(WATER WORKS AND DRAINAGE)の担当者に申請書を提出し、下水道本管への接続位置を決定してもらう。

下水道の整備されていない地域では浄化槽で浄化の後、地下浸透処理か近くの川へ放流する。

電 力

給電の申請は、コロンボ市内の場合は、セイロン電力公社(CEYLON ELECTRICITY BOARD)に、それ以外は、所轄の電力会社に対して行なり。

電 話

電話設置申請は、地域電話公社(REGIONAL TELECOMMUNICATION BOARD)に対して行なり。

消防法

建築設計に際しては、所轄の消防署と相談し、各プロジェクト毎に、消防法に関する基準を設定してもらう必要がある。コロンボの場合は、消防局、首都消防(Fire Service Department, Municipal Fire Brigade)が担当部署である。

その他

大規模建設工事を行なう公社として、土地開発省、国立開発建設公社(State Development and Construction Corporation, Ministry of Lands and Land Development)がある。

地域的規則

CITY OF COLOMBO DEVELOPMENT PLAN

VOLUME ONE

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出典:

VOLUME TWO

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NOVEMBER 1985

出典:

設計事務所、コンサルタント

Leading Companies of Architects & Consultants

- | | | |
|---|--|-------------|
| 1. Design Consortium Ltd. | | |
| No.75, Kynsey Road, Colombo 8 | | TEL: 59622 |
| 2. Design Group Five | | |
| No.30, Wijarama Hatatha, Colombo 7 | | TEL: 596323 |
| 3. Development Consultants | | |
| No.24, Torrington Avenue, Colombo 7 | | TEL: 589069 |
| 4. Justin Samarasekera Associates Ltd. | | |
| 2nd Floor, De Mel Bldg. Chatham St. Colombo 1 | | TEL: 25113 |
| 5. Mihindu Koerthiracne Associates Ltd. | | |
| 24/1, Castle St. Colombo 8 | | TEL: 94649 |
| 6. Leon Monk Associates | | |
| Standard Chartered Bank Bldg. | | |
| 17, Janadhipathi Hawatha, Colombo 1 | | TEL: 20287 |
| 7. Panditharacna & Adithya | | |
| 19, De Fonseka Road, Colombo 5 | | TEL: 85646 |
| 8. Surath Wickramasinghe Associates | | |
| 65, Walukarama Road, Colombo 3 | | TEL: 575007 |

C.E 積算

現行ローカル市場価格及び複合単価

材料単価

1 Rs = 5 円 (昭和62年7月現在)

名 称	仕 様	単 価 Rs	単 位	備 考
砂		115	M ³	
砕 石	クラッシャーラン	233	M ³	
セメント		115	袋 (50kg)	
白色セメント		300	" (")	
石 灰		40	" (25kg)	
異形鉄筋		14,000	トン	
山形鋼	L-50・50・5	13,000	"	L=6m
"	L-65・65・6	"	"	"
"	L-75・75・6	"	"	"
"	L-100・100・8	17,000	"	"
溝型鋼	I-10・50	15,000	"	"
鋼 板	厚 6mm	11,000	"	
	8mm	11,700	"	
生コンクリート	スランブ 10cm			現場への供給のみ
	FC=135kgf/cm ²	1,555	M ³	
	180	1,630	"	
	210	1,690	"	
生コンクリート	スランブ 15cm			"
	FC=135kgf/cm ²	1,585	"	
	180	1,665	"	
	210	1,735	"	

出典:

C.E 積算 [つづき]

現行ローカル市場価格及び複合単価〔つづき〕

名 称	仕 様	単 価 Rs	単 位	備 考
波型石棉板	6' × 43"	74	M ²	屋根用粘土タイル 下地
波型ファイバーグラス板	10' × 42"	231	"	
アスベスト平板	1,200 × 1,200 × 4.5	44.4	"	
アスベストボード	4' × 2' × 6 ^t _{mm}	471	"	天井 Tバー方式
ファイバーグラス	4' × 2' × 15 ^t _{mm}	449	"	"
エマルジョン ペイント		73	ℓ	
ワニス		91	"	
ステイン		100	"	
木製ドア	1,068 × 2,060	841.5	1ヶ所	
フロートガラス	6' × 4' × 3 ^t _{mm}	124	M ²	
ヒューム パイプ	150 φ	153	M	
"	200 φ	193	"	
"	300 φ	287	"	
PVC パイプ	φ = 5/8"	4.8	"	
"	φ = 1"	9.1	"	

出典:

C.E 積算 [つづき]

現行ローカル市場価格及び複合単価 [つづき]

名称	仕様	単価 Rs	単位	備考
れんが	普通	475	1,000 個	
"	白色カット (クラス-1)	2,660	"	
屋根用タイル	平	4,719	"	粘土タイル
"	棟用	8,950	"	"
"	半月型	4,400	"	"
床用タイル	6' × 6'	4,700	"	"
"	8' × 8'	6,800	"	"
テラゾータイル	300×300×25	441	M ²	
タイル (カラー)	4 1/4' × 4 1/4'	3.1	枚	
" (")	8' × 4'	3.6	"	
" (")	6' × 6'	4.1	"	
コンクリートブロック	200×200×400	12.1	個	
"	150×200×400	9.5	"	
"	100×200×400	5.5	"	
角材	100×50	8,560	M ³	L=5m
"	100×25	8,560	"	"
"	150×50	8,560	"	"
"	175×75	8,590	"	"
板材	28 × 200	9,640	M ³	
"	28 × 300	9,640	"	
合板	8' × 4' × 4mm	69	M ²	
"	8' × 4' × 6mm	107	"	
"	8' × 4' × 9mm	148	"	
"	8' × 4' × 12mm	188	"	
"	8' × 4' × 15mm	235	"	

出典:

C.E 積算 [つづき]

現行ローカル市場価格及び複合単価
〔つづき〕

仮設備価格

Site Facilities (Services)

No.	ITEM	APPLICATION	COST/UNIT A(L)	G(ICTAD)	H(GOV'T)
1.	Power Supply	basic monthly	--- /mo.	--- /mo.	5,000 /mo.
		cost/hour	1.80 /KWH	3.00 /unit	--- /KWH
2.	Water	basic monthly	--- /mo.	--- /mo.	4,500 /mo.
		cost/gallon	0.03 /gal	--- /gal	--- /gal
3.	Telephone	basic monthly	75.00 /mo.	--- /mo.	2,500 /mo.
		local/minute	0.90 /min	3.00 /15 sec.	--- /min
4.	Telex	basic monthly	--- /mo.	--- /mo.	5,000 /mo.
		installation to site office	--- inst	--- /inst	--- /inst

*Note: B(L), C(ML), D(M), E(M), F(S) companies did not respond to these questions.

出典：無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

現行ローカル市場価格及び複合単価 (つづき)

仮設建物及び敷地測量

Preliminaries

It is assumed that the project site is to be located in the central area of the city and the total floor area is 3,000 m².

NO.	ITEM	COST/UNIT			
		A(L)	B(L)	C(CT AD)	H(GOV'T)
1.	<u>Temporary Site Office</u> Temporary site office for the Contractor and Consultant's representatives (10m x 8m).	1,500 m ²	1,185 /m ²	100 /m ²	850 /m ²
2.	<u>Temporary Storage Shed</u> Temporary site storage shed for construction materials (6m x 10m).	1,100 m ²	750 /m ²	80 /m ²	750 /m ²
3.	<u>Temporary Enclosures</u> Barbed wire with wooden post H=1.8m at 1.8m intervals.	160 m	33 /m	19 /m	125 /m
4.	<u>Site Survey</u> The boundaries of the plot shall be determined and marked out.	1 m ²	1,500 /day (1 day surveyor with his gang)	--- /m ²	200 /m ²

* Note: C(ML), D(M), E(M), F(S) companies did not respond to these questions.

出典： 無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

現行ローカル市場価格及び複合単価 (つづき)

労務賃金

Situation of Labor Cost

(1) "All in rates" labour items:

	B(L)	C(M)	E(N)	F(S)	G(ICTND)	H(GOV'T)
A) GUARANTEED MINIMUM WEEKLY EARNINGS						
1) Basic rate		Daily rate 30.00	Gov't rate 27.00/day	30.00	200.00	
2) Guaranteed minimum bonus (or Contractor's bonus allowance)	1 month salary			10% overhead		
B) ANNUAL EMPLOYMENTS						Governed by Labour Regula- tions of the Department of Labour and Subject to Change
1) Inclement weather						
2) Non-productive overtime						
3) Sick pay						
4) Trade supervision						
5) Working rule agreement						
C) OVERHEADS IN EMPLOYING LABOUR						
1) C.I.T.A. Training contribution						
2) National insurance contribution						
3) Annual holiday credit		25 - 40% add				
4) Public holiday credit						
5) Severance payments and sundry costs						
6) Employers liability						

Note * "All in rates" - A compounded rate which includes payments to operatives and the costs which arise directly from the employment of labour. Variable costs, such as travelling time or abnormal overtime, are normally excluded.

** A(L), D(N) did not respond to these questions.

出典： 無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

現行ローカル市場価格及び複合単価 [つづき]

労務賃金

Situation of Labor Cost (cont'd)

NO	ITEM	GRADE	RATING	WAGE /DAY	A(L)	B(L)	C(M)	D(H)	E(H)	F(S)	G(ICTAD)	H(GOV'T)
2)	Trade Name										Normal Rate	
1.	Common Labourer		A	60.00 /day	48.00 /day	50.00 /day	50.00 /day	50.00 /day	---	50.00 /day	50.00 /day	50.00 /day
			B	50.00 /day	---	45.00 /day	45.00 /day	45.00 /day	45-50 /day	45.00 /day	45.00 /day	45.00 /day
			C	45.00 /day	---	40.00 /day	40.00 /day	35.00 /day	---	40.00 /day	40.00 /day	40.00 /day
2.	Carpentry	(A) Master carpenter	A	100.00 /day	96.00 /day	113.00 /day	113.00 /day	125.00 /day	90-100 /day	90.00 /day	100.00 /day	75.00 /day
		(B) Skilled helper	B	70.00 /day	72.00 /day	70.00 /day	70.00 /day	75.00 /day	65-70 /day	55.00 /day	65.00 /day	65.00 /day
		(C) Unskilled helper	C	60.00 /day	48.00 /day	50.00 /day	50.00 /day	65.00 /day	45-50 /day	40.00 /day	40.00 /day	50.00 /day
3.	Masonry	(A) Master mason	A	100.00 /day	96.00 /day	110.00 /day	110.00 /day	125.00 /day	90-100 /day	85.00 /day	90.00 /day	75.00 /day
		(B) Skilled helper	B	70.00 /day	72.00 /day	70.00 /day	70.00 /day	75.00 /day	65-70 /day	55.00 /day	65.00 /day	65.00 /day
		(C) Unskilled helper	C	60.00 /day	48.00 /day	50.00 /day	50.00 /day	65.00 /day	45-50 /day	40.00 /day	45.00 /day	50.00 /day
4.	Electrician	(A) Master electrician	A	150.00 /day	108.00 /day	110.00 /day	110.00 /day	125.00 /day	100-125 /day	90.00 /day	90.00 /day	75.00 /day
		(B) Skilled helper	B	90.00 /day	72.00 /day	70.00 /day	70.00 /day	75.00 /day	---	55.00 /day	65.00 /day	65.00 /day
		(C) Unskilled helper	C	60.00 /day	48.00 /day	50.00 /day	50.00 /day	65.00 /day	---	40.00 /day	45.000 /day	50.00 /day

* Note: G(ICTAD) - (A) Master Carpenter = normal carpenter
 Carpentery (B) Skilled Helper = semi-skilled
 Masonry (C) Skilled Helper = semi-skilled

Note: Comparative Rating of Worker's Skills and Wages
 Above Average A
 Average B
 Below Average C

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建設工事標準歩掛

B. EXCAVATOR

1. Drains, earth, in any soil except rock requiring blasting cut to gradient and shaped as directed, soil deposited within site.

Per Cube

1 1/2 day labourer at

Rs.

1/3 Basket at

Rs. _____

Rs.

Overheads

Rs. _____

Rs.

=====

Say

2. Excavation for foundation in any material except rock requiring blasting, part return fill in and ram, and surplus disposed of within site as directed.

Per Cube

1 1/2 day Labourer at

Rs.

1/3 Basket at

Rs. _____

Rs.

Overheads

Rs. _____

Rs.

=====

Say

3. Excavation in levelling site -do-
-do- including transporting
upto 1/2 mile, depositing and levelling.

Per Cube

1 day Labourer at

Rs.

Transport

Rs.

1/3 Basket at

Rs. _____

Rs.

Overheads

Rs. _____

Rs.

=====

Say

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C. CONCRETOR

1. Cement concrete 1:3:6 with 2" metal, above one cube. (Shuttering paid for separately)

Per Cube

11.25 Cwts. cement at	B.
.56 Cubos sand at	B.
1.00 Cubo 2" metal at	B.
1 day mason at	B.
8 days labourer at	B.
2/3 Basket at	B.
Allow for water	B. _____
	B.
Overheads	B. _____
	B.
Say	=====

2. Cement concrete 1:3:6(2") upto 1. cube. (Shuttering paid for separately).

Per Cube

As in Item 1	B.
Add 25% of cost of labour	B. _____
	B.
Overheads	B. _____
	B.
Say	=====

3. Cement concrete 1:2½:5(1") above one cube. (Shuttering paid for separately).

Per Cube

13.6 Cwts. cement at	B.
.60 Cubo sand at	B.
1.00 Cubo 1" metal at	B.
1 day mason at	B.
8 days labourer at	B.
2/3 Baskets at	B.
Allow for Water	B. _____
	B.
Overheads	B. _____
	B.
Say	=====

歩掛り (のき)

Labour Constants

It is assumed that one working day includes 8 hours.

No.	TRADE	APPLICATION	AVERAGE-OUTPUT PER MAN-DAY						H(COVT)
			A(L)	B(L)	D(H)	E(H)	F(S)	G(ICTAD)	
1.	Excavation	hand excavation 2m deep four- dallon base	1.5 /m ³ /md (common labour only)	0.67 /m ³ /md	1.0 /m ³ /md	---	0.75 /m ³ /md	2.4 /m ³ /md	1.5 /m ³ /md
2.	Concreting	using a mixer reinforced con- crete floors	9.0 /m ³ /md (plus 10 common labourers)	1.5 /m ³ /md	3.88 /m ³ /md	1.5 /m ³ /md -2.0 /m ³ /md ready-mixed	1.0 /m ³ /md	0.40 /m ³ /md	4.5 /m ³ /md
3.	Form Work	floor slab	2.5 /m ² /md (plus 2 helpers or common lab.)	Skilled - 1/6 Unskilled - 1/3	1.0 /m ² /md	---	1.5 /m ² /md Basement	4.0 /m ³ /md	0.5 /m ³ /md
4.	Reinforcement Steel Work	columns steel fixing	0.1 /t/md (plus 2 common labourers)	13.0 /ton/md	40.0 /t/md	---	.05 /t/md	.05 /t/md	50 /t/md
5.	Brick Work	one brick wall common bricks	6.0 /m ² /md (plus 1 common labourer)	Skilled - 1/3 Unskilled - 2/5	0.45 /m ² /md	8.0 /m ² /md	7.0 /m ² /md	1.5 /m ² /md	0.5 /m ² /md
6.	Plastering to Wall	20mm thick	7.0 /m ² /md (plus 1 common labourer)	Skilled - 1/6 Unskilled - 1/5	0.45 /m ² /md	---	10 /m ² /md 7 /m ² /md rough & finishing	1.5 /m ² /md	0.5 /m ² /md

* Note: Concreting - includes mixing, transport & placing.

* Note: A(L) - items 2-5 For skilled Man-Day

* Note: C(BL) - Did not respond to these questions.

建設労働の実態（労務レベル等）

建設労働者の技能に関して、現地で活動している日本のコンサルタントや建設業者に聞き取りを行なった結果は次のとおりである。

土 工	特に問題はない。
鉄筋工	鉄筋の結束のみしかできない。
型枠工	図面を理解できない。
鉄骨工	段取りはできない。ボルト締のみ。
組積工	特に問題はない。
左 官	調合管理に問題あり。精度が良くない。
タイル工	不陸が多い。
造作大工	雑である。
建具、ガラス工	取付精度は信頼できない。
塗装工	下地処理が悪い。

労働時間

(イ) 法定労働時間

1日 9時間（1時間の食事時間を含む）

週 40～45時間（1日1時間の食事時間を除く）：オフィス

45～48時間（ “ ” ）：工 場

上記の時間を超えて働いた場合は時間外手当を支払わねばならない。時間外

手当は、1日当り賃金を8時間で除した1時間当り賃金の1.5倍とされる。
事務所労働者の給料は通常月給である。工場労働者は日額で支払われ、通常無給で一日の休みを与えられる。土曜日は半日休暇は与えられないが、通常短時間労働日と見なされている。

(ロ) 女子従業員の場合下記の時間帯の労働は禁止されている。

(a) 午前6時以前および午後 6時以後……オフィス

(b) 午前5時依然および午後10時以後……工 場

(ハ) 18才未満の年少者については工場において午前5時以前および午後6時以後の就業が禁止されている。

(ニ) 女子および年少者の工場における時間外労働は1日2時間、週6時間、年間100時間に制限されている。

出典：

住宅建設従事者の平均日当の推移

PRICES AND WAGES

All Island Average Daily Wage Rates in Housing Construction*

Period	Type of Labour						Rupees
	Carpentry			Masonry			
	Master Carpenter	Skilled Helper	Unskilled Helper	Master Mason	Skilled Helper	Unskilled Helper	
1979	27.51	19.23	14.27	27.08	19.07	14.21	
1980	36.95	25.41	19.17	35.85	25.00	18.80	
1981	46.85	32.25	23.87	45.90	31.53	23.82	
1982	53.81	36.26	25.54	52.42	35.65	26.34	
1983	59.88	41.43	30.80	58.36	40.11	30.15	
1984	65.20	44.69	33.31	63.50	43.83	33.11	
1985	70.35	47.98	35.80	68.41	47.04	35.39	
1983 1st Quarter	57.87	39.96	29.25	55.93	38.90	28.85	
2nd Quarter	59.98	40.64	30.13	58.49	39.72	29.76	
3rd Quarter	59.62	42.41	30.50	58.19	40.09	30.60	
4th Quarter	61.79	42.51	33.10	60.59	41.59	31.26	
1984 1st Quarter	62.97	42.86	32.38	61.86	42.61	32.30	
2nd Quarter	64.86	43.70	32.67	62.86	42.79	32.50	
3rd Quarter	65.96	45.29	33.39	64.03	44.14	33.14	
4th Quarter	67.01	46.88	34.73	65.21	45.72	34.43	
1985 1st Quarter	68.57	47.59	34.92	66.74	46.24	34.79	
2nd Quarter	70.03	47.70	35.50	68.25	47.03	35.14	
3rd Quarter	71.03	48.18	36.35	68.43	47.27	35.65	
4th Quarter	71.76	48.45	36.44	70.24	47.60	35.79	
1986 1st Quarter**	72.73	49.80	36.94	76.88	48.50	36.63	
1984 May	64.76	43.55	32.74	62.84	43.22	32.62	
June	65.72	44.18	32.93	63.38	43.30	32.75	
July	65.13	44.60	32.82	62.94	42.84	32.41	
August	65.21	45.64	33.67	63.98	44.83	33.44	
September	67.53	45.60	33.65	65.15	44.72	33.55	
October	67.01	45.89	34.24	65.45	45.45	33.94	
November	68.19	47.62	35.24	65.53	46.69	35.30	
December	65.80	47.15	34.73	64.62	45.05	34.08	
1985 January	68.72	46.80	34.84	66.53	45.38	35.03	
February	68.21	48.33	35.12	66.74	46.49	34.80	
March	68.78	47.63	34.80	66.95	46.34	34.53	
April	70.37	46.39	34.98	68.81	45.30	34.87	
May	69.43	48.40	35.64	67.76	48.18	34.99	
June	70.31	48.32	35.88	68.19	47.63	35.56	
July	70.57	47.47	36.38	67.75	47.10	36.24	
August	71.17	48.86	35.88	68.99	47.18	36.07	
September	71.34	48.22	35.79	68.56	47.54	35.24	
October	72.28	48.29	36.36	70.73	47.34	35.68	
November	72.36	48.87	36.86	70.36	47.98	36.19	
December	70.64	48.19	36.09	69.44	47.47	35.50	
1986 January	72.11	49.45	36.71	70.31	47.77	36.07	
February	73.21	49.44	36.75	71.45	48.22	36.32	
March**	72.87	50.51	37.37	70.89	49.51	37.51	
April**	75.01	51.38	38.44	71.15	49.41	37.40	
May**	73.84	51.07	38.38	72.03	49.91	37.49	

* Excluding Wages in large Scale Construction Activities.

** Provisional.

Source: Central Bank of Sri Lanka.

労働災害

工事保険

Construction Insurance

It is assumed that this construction site is located in the central area of the city and the total floor area is 3,000 m².

No.	ITEM	UNIT	A(L)	B(L)	H(GOV'T)
1.	Building construction insurance: (What percent of the total contract price do you allow?)	Z	25%		
2.	Liability insurance: (What percent of the total contract price do you allow?)	Z	.05%	Based on Insurance Corporation Quota-tion	Contractor's Responsibility and Governed by Labour Regulations of Dept. of Labour.
3.	Worker's liability compensation insurance: (What percent of the total wage do you allow?)	Z	1.5%		
4.	Automobile insurance: (What percent of the insured amount do you allow?)	Z	2.0%		Contractor's Responsibility and depends on quantum of Machinery and duration.

*Note: C(M), D(M), E(M), F(S), G(CTAD) did not respond to these questions.

出典:

無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

主要建設資材の生産流通体制及び品質

基本的な資材は国内で調達できるが、品質や規格、市場性などで問題のあるものも多い。金属製建具（一般的には木製建具を用いている）、高級仕上材、設備機器は、ほとんど輸入品を使用している。赤味を帯びた粘土瓦は、母屋に水平棧を設けてそれに引掛けて重ね葺きするほか、波型石棉スレート板葺きや傾斜したコンクリートスラブ、金属板葺きなどの上になかば化粧として葺くこともある伝統的な材料である。木材は、熱帯性のため堅い樹種が主体であり、大断面や長い部材がとりにくく、加工性も良くない。また、供給が安定していないため、マレーシアからの輸入材も多く用いられている。

砂 : マハベリ河上流、あるいは、コロombo近郊に生産地があるが、いずれも人力で採取されているので、一括大量購入は困難である。

砂 利 : 中央山岳部、キャンディ郊外、コロombo近郊で、小規模な工場で碎石を生産している。一括大量購入はむづかしい。花こう岩が主体で、原石は良質である。

セメント : 国内に3工場があり、さらに1984年からは日本企業が参画したプラントが、トリンコマリで稼働をはじめたので、需要にみあった供給体制ができつつあるが、需要が集中した時は輸入に頼らざるを得ない。輸入品はコロombo市内で大量に出廻っており、価格も国内産と大差ない。

鉄 筋 : 国内では棒鋼およびワイヤを生産しているが、ほとんどインド、台湾などから輸入している。品質は悪く、特に加工性が悪い。

鉄 骨 : 形鋼は国内でも生産しているが、種類は少ない。日本からの輸入が5割にのぼる。加工業者の能力は低い。

レンガ : コロombo、キャンディに製造業者が多数ある。サイズは、色々あり、1級品、2級品の等級もあるが、硬質焼成がなく、品質は良くない。化粧積に使用するのでは問題がある。

コンクリート
ブロック : コロombo市内に多数の製造業者があり、品質、供給量とも問題ない。

木 材 : 建築用としては、不適なものがほとんどである。State Timber Corp.では、マレーシアなどから角材用の木材を輸入している。また、壁用のパネルやフローリング材などを生産しているが品質は良くない。

合板 : Ceylon Plywood Corp.で生産しているが、シンガポール、マレーシアなどから輸入もしている。品質、供給量には、多少問題がある。

テラゾー
タイル : 現地で一般的床仕上材として使用されており、品質、供給量とも問題ない。

磁器タイル : セイロン陶磁器公社(Ceylon Ceramics Corp.)で生産している。品数、種類は少ない。

石棉板
岩綿板 : 大部分が輸入品で、品数、種類は多くない。輸入品の80%近くがヨーロッパからで、残りは日本からである。

ガラス : インドネシア、オーストラリア、ヨーロッパなどからの輸入品が出廻っている。平滑度は良くない。

金属建具 : アルミサッシは、素材を輸入して、加工組立を行なっているが、品質は良くない。

木製建具 : 輸入品を手に入れることができる。

塗料 : 合成樹脂系塗料を多く輸入している。輸入の70%強がヨーロッパ、20%強が、日本からである。

屋根瓦 : 焼成温度が低く、もろいが、伝統的材料である。一括大量購入はむづかしい。

屋根用
波形スレート : 品質、供給量とも問題ない。

設備用材料 : 大部分が輸入品である。たとえば、発電機、変圧器などは60%弱が日本から、40%強が、ヨーロッパからの輸入品である。

建設資材メーカーおよび扱い業者

Building Materials Suppliers

1. A.M.Mhohomud Nizer & Bros.
69, 3rd Cross St., Pettah, Colombo 11 TEL: 25186
 - a. Hardware
 - b. Door Locks
 - c. Cupboard
2. Amtrad Ltd.
186, Elvitigala Mawatha, Colombo 8 TEL: 597671
 - a. Concrete Blocks
3. Building Materials Corp.
541, Sri Sangaraja Mawatha, Colombo 10 TEL: 26701
 - a. Electric Tools, Woodworking Machine, Carpentry & Masonry Tools
 - b. Sanitaryware & Fittings
 - c. Asbestos Cement Pipes & Cast Iron Fittings
 - d. Glass Sheets
 - e. Aluminium Sheets
 - f. Cement
4. Ceylon Plywood Corp.
No. 420, Baudhaloka Mawatha, Colombo 7 TEL: 5965846
 - a. Plywoods
 - b. Wooden Doors
5. Colombo Picture Palace
104, Prince St., Colombo 11 TEL: 21778
 - a. Glass Sheets
6. Countryhouse Clay Products Ltd.
81/1, Deanstone Pl., Colombo 3 TEL: 574237
 - a. Bricks
 - b. Roofing Tiles, Half Round Tiles
 - c. Floor Tiles
7. C.S.D Auto Services Ltd.
191, Gallo Road, Mt Lavinia TEL: 715812
 - a. Paints
8. East-West Ltd.
P.O. Box 678; First Floor Cargills Bldg.
York St., Colombo 1 TEL: 549541
 - a. Transport Agents
9. Electro Group of Companies
945, Kotte Road, Welikada, Rajagiriya TEL: 562327

10. Jupiter Steel, Jupiter Timber Mills
206, St. Joseph St., Colombo 14 TEL: 34465
- a. Steel
 - b. Deformed Bars, Round Bars
 - c. Flat Irons, Angle Irons
 - d. G.I. Sheet
 - e. Cement
 - f. Timber, Plywood, Hardboard, Laminated Board
 - g. Window Glass
11. Lalsiri Furnishers
572, Galle Road, Mt Lavinia TEL: 0727272
- a. Furnitures
12. Lanka Timber Stores
16, Armour St., Colombo 12 TEL: 32606
- a. Sawn Timber
 - b. Plywood
 - c. Laminated Board, Hardboard
13. Lanka Walltiles (PVT) Ltd.
215, Nawala Road, Narahenpita Colombo 5 TEL: 565454
- a. Tiles
14. Mascons Ltd.
175, Sri Sumanatissa Mawatha, Colombo 12 TEL: 25561
- a. Steel
 - b. Cement
 - c. Roofing & Ceiling
 - d. Fencing Materials
 - e. Sanitaryware
 - f. Office Equipments
 - g. Woodworking Machinery, Concrete Mixer, Pump, Power Tool
15. Hoosajnes Ltd.
No. 34, W.A.D. Ramanayake Mawatha, Colombo 2 TEL: 25213
- a. Terrazzo Tiles
16. Oriental Hardware Stores
263, Sen St., Colombo 11 TEL: 31913
- a. Deformed Bars, Round Bars
17. Rovin Concrete Works Ltd.
875, Sirimavo Dandaranaike Mawatha, Colombo 14 TEL: 34087
- a. Terrazzo Block
18. S-LOH
54, Bankshall St. Colombo 11 TEL: 23603
- a. P.V.C. Pipes
19. Stata Timber Corp.
256, Galle Road, Wellawatta, Colombo 6 TEL: 584496
- a. Timbers
20. Ventana (PVT) Ltd.
98, Reclamation Road, Colombo 11 TEL: 29107
- a. Plywoods
 - b. Hardboards

建設機械

建設重機リース料金

Machinery Hired by Contractor

It is assumed that this machinery is acquired on a lease basis.

No. ITEM	COST /DAY			G(CTAD)	H(GOV'T)
	A(L)	B(L)			
1. Motor lorry, not exceeding 5 tons	750 /day (fuel exp. to hirer)	1,750 /day	1,250 /day -1,450 (barricat)	3,000 /day	
2. Concrete mixer 10/77	650 /day	1,000 /day	800 /day	750 /day	
3. Bar machine hand operated	50 /day	150 /day	100 /day	200 /day	
4. Mechanical excavator with single equipment	5,000 /day	6,000 /day	3,000 /day	5,000 /day	
5. Crane	8,000 /day (10 ton)	5,000 /day	8x650 /day (5 ton)	7,500 /day	

* Note: C(ML), D(M), E(M), F(S) companies did not respond to these questions.

DISTRICT AND ALL ISLAND PRODUCER PRICES—QUARTERLY AVERAGES—1982

Item	Unit	Matale District					Nuwara Eliya District					Badulla District					
		1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Annual Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Annual Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Annual Average	
		Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.
(17) Building Materials																	
Bricks	1000	275.93	275.00	275.00	272.22	274.51	375.00	338.33	316.67	330.00	330.00	345.05	353.40	360.97	373.26	358.17	
Sand	Cube	39.59	40.00	43.34	42.09	41.26	60.00	60.00	63.75	61.00	62.19	79.22	71.95	76.67	75.63	75.97	
Rubble 6" x 9"	"	130.56	112.09	110.63	120.00	118.32	235.21	165.97	303.89	302.50	306.89	166.89	165.83	151.16	163.06	161.72	
Metal 2"	"	334.70	246.67	413.34	308.34	300.76	365.65	165.97	320.47	328.89	375.25	298.28	293.43	281.53	294.24	291.11	
Metal 3/4"	"	362.50	362.50	370.00	431.23	341.56	383.70	389.59	418.00	406.72	399.50	414.93	406.83	472.22	484.93	444.71	
(18) Others																	
Coffee (Seeds)	Kg.	—	—	—	26.50	26.50	18.00	—	—	22.50	20.25	21.33	23.33	25.75	27.44	24.46	
Cocoa	"	26.22	35.00	27.00	25.00	28.31	18.00	20.50	—	12.00	16.83	—	—	—	—	—	
Tea Leaves	"	—	—	—	—	—	2.53	2.61	2.63	3.02	2.70	2.37	2.71	2.70	2.94	2.81	
Ground Nuts	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Chewing Tobacco (Jaffna)	50 Kg.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Gingelly Oil	750Ml.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Brooms (Tin Bound)	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

DISTRICT AND ALL ISLAND PRODUCER PRICES—QUARTERLY AVERAGES—1982

Item	Unit	Mannar District					Anuradhapura District					Polonnaruwa District					
		1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Annual Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Annual Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Annual Average	
		Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.	Rs. Cts.
(17) Building Materials																	
Bricks	100	—	—	—	—	—	269.67	245.83	245.83	250.00	252.83	281.95	275.00	270.84	312.19	285.00	
Sand	Cube	—	75.00	55.83	75.00	68.61	—	176.00	140.00	170.00	161.94	100.00	106.25	103.75	112.50	103.63	
Rubble 6" x 9"	"	—	—	75.83	125.00	100.42	187.08	129.00	163.33	166.00	161.35	142.09	138.75	139.17	135.00	131.25	
Metal 2"	"	—	—	260.00	—	260.00	298.65	245.83	235.83	245.83	239.04	222.78	224.17	237.50	225.00	227.36	
Metal 3/4"	"	—	—	440.00	—	440.00	474.01	450.00	339.17	445.83	452.25	561.25	554.17	540.00	528.75	546.04	
(18) Others																	
Coffee (Seeds)	Kg.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cocoa	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tea Leaves	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Ground Nuts	"	—	6.00	6.33	6.55	6.29	3.99	—	—	8.00	7.00	—	—	—	—	—	
Chewing Tobacco (Jaffna)	50 Kg.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Gingelly Oil	750Ml.	—	—	—	—	—	21.83	22.00	21.33	22.00	21.79	—	—	—	—	—	
Brooms (Tin Bound)	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

出典:

資材の輸送方法

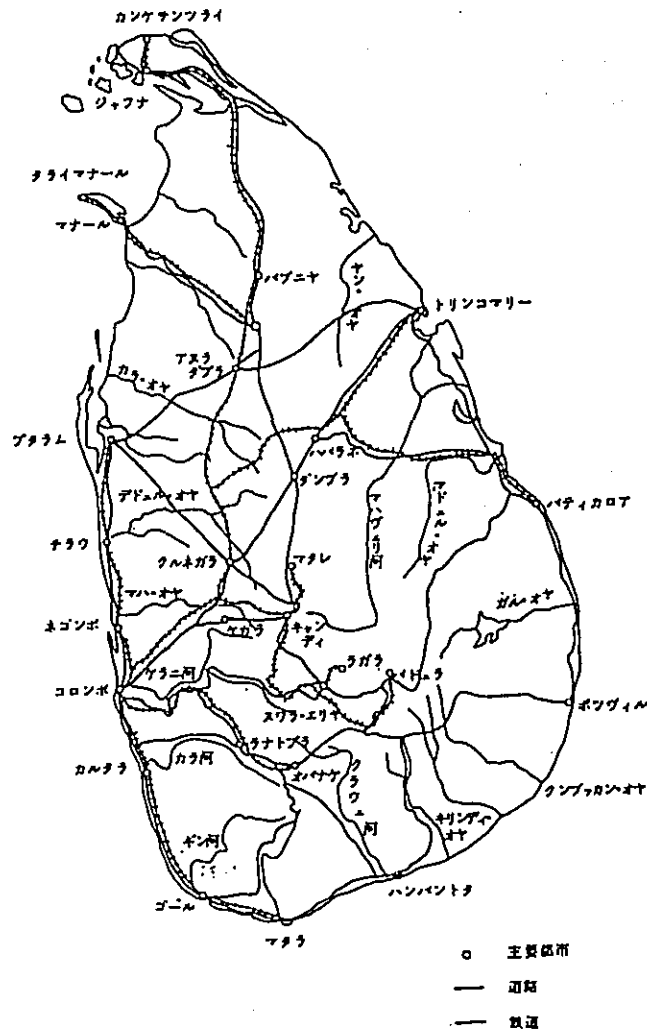
資材輸送ルートは、日本よりコロンボ港までは、海上輸送で、東京での船積み約10日、海上輸送に20日、コロンボ港での荷卸しに、約14日間かかる。スリ・ランカ国内での主要輸送手段は、鉄道と車輦である。鉄道は、セイロン国有鉄道のみであり、その総延長は、1,453kmに達し、首都コロンボを起点として全国の主要都市を結んでいる。鉄道による貨物輸送は、1980年以降、横ばいを続けており、全貨物輸送量に占める割合は、年々低下している。一方、道路網は、全国すみずみまで整備され、国が管理する道路の総延長は約25,000kmで、ほぼ100%舗装されており、主要都市間を結んでいる。貨物輸送としては、民間のトラック輸送が主であり、スリ・ランカ経済の活性化に伴い急激に伸びており、1984年末時点でトラックの登録台数は約91,000台となっている。

主な港湾の管理主体は、スリランカ港湾局 (Sri Lanka Ports Authority (SLPA)) であり、コロンボ港、ゴール港、トリンコマリ港の3港を管理している。コロンボ港は、この国唯一の本格的な港湾で、1984年の取扱貨物量は、6,638千トンで、全国の90%を扱っている。

食料品、医薬品に関しては衛生検査証明書などが要求されるが、建設資材についての輸入規制などはない。輸入税などの税金は、無償援助の場合は、スリ・ランカ政府の担当省の負担となる。

出典:

輸送・その他
〔つづき〕



コロンボよりの道路距離

ゴール	115 km	マナール	312 km
ハンパントタ	238 km	マタラ	160 km
ジャフナ	396 km	ネゴンボ	37 km
キャンディ	115 km	ブタラム	142 km
		トリンコマリー	265 km

出典:

電気、ガス、水道料金

1) 電気料金

		一般	工業	ホテル
400/230Vで供給 契約容量 50kVA 以下	ユニット料金 (Rs/Unit)	1.70	1.55	1.70
	固定料金 10kVA まで	20.0	20.0	20.0
	(Rs) 10kVA 以上	100.0	100.0	100.0
400/230Vで供給 契約容量 50kVA 以上	基本料金 (デマンド料金) (Rs/kVA)	125.0	100.0	150.0
	ユニット料金 (Rs/Unit)	1.6	1.45	1.6
	固定料金 (Rs)	200.0	200.0	200.0
11kV 以上の 高圧で供給	基本料金 (デマンド料金) (Rs/kVA)	115.0	90.0	140.0
	ユニット料金 (Rs/Unit)	1.5	1.25	1.5
	固定料金 (Rs)	200	200	200

1 Unit = 1,000 WATT Hours

2) 水道料金

工業用 5.5Rs / 1Unit (220 Gals= 990 Ltrs)

家庭用 10,000 Ltrs まで 無料

次の10,000 Ltrs Rs.1/1,000 Ltrs

次の " Rs.2/1,000 Ltrs

使用量が30,000Ltrsをこえる場合は、全使用量について、工業用と同じ料金で計算する。

3) プロパンガス料金

145 Rs/Cylinder (= 13kg)

出典:

工 法

建設工事の施工については、公共の場合と民間の場合とでは事情が異なっている。公共の場合についてみると、各官庁毎に、その所轄する仕事を実施するための部局(Departments and Authorities)公社(Corporations)を持っており、建設関係を扱う部局や公社の数は、非常に多い。しかも、それぞれで、企画、設計から、資材、機器の調達、さらに工事施工まで行うことが多い。従ってある程度の機械力を備えており、大型工事の施工も可能であるが、民間の工事には参加しない。例えば、建設局(Department of Building)では、住宅、保健所、郵便局、警察署などの計画から施工までを行ない、国立水道下水公社(National Water Supply and Drainage Board)では、配管工事の施工を行っている。国立エンジニアリング公社(State Engineering Corp.)では冷凍機器、空調機器などの工事施工を行うこともある。また、これらの公社は、灌漑工事、ダム、発電所などにおいて、外資建設会社と共同企業体を組んだり、あるいは、下請工事の施工を行うこともある。

一方は、民間業者は、公共建築を含めてかなり大型の工事も行なっているが、機械力もほとんどなく非常に非能率的な施工を行なっており、工程管理についての意識の低さもともなって、当初の工期通りに完成されるものは、稀れである。経験ある技術者や熟練労働者も不足している。例えば、足場は、麻縄で組んだ竹製でありコンクリート打設は、手作業である。鋼製足場やパッチャープラントを使用しているのは、外資系あるいは外国企業である。

そのために、多くの民間業者は、労務者供給の下請と化している。設備工事の専門業者は相当数あるが、優良業者は少ない。

出典：

1. Artisans Limited
P.O.Box 182, State Bank of India Bldg.
Colombo 1 TEL: 26321
2. Brown & Co Ltd.
481, T.B. Jayah Mawatha, Colombo 10 TEL: 590711
3. Ceylon Development Engineering Co., Ltd.
140, Dawson St. Colombo 2 TEL: 36526
4. Commercial Engineering Co. Ltd.
185, Union Place, Colombo 2 TEL: 548306
5. Construction Liaison Ltd.
12, Galle Face Court 1, Colombo 3 TEL: 24585
6. Coomuco (PVT) Ltd.
28, Madangahatta Lann, Colombo 6 TEL: 581871
7. D.D. Fonseka & Sons
28 1/1, Laurias Place, Colombo 4 TEL: 82929
8. Dilum Buildings
No. 211, Temple Road, Colombo 10 TEL: 598193
9. Geotech Ltd.
No. 7, Kynsey Terrace, Colombo 8 TEL: 91052
10. Harrison Lister Engineering (Colombo) Ltd.
330, T.B. Jayah Mawatha, P.O. Box 69, Colombo 10 TEL: 96871
11. Heavyfab Ltd.
No. 7, Kynsey Terrace, Colombo 8 TEL: 95536
12. ICC
49/16 Iceland Bldg. Colombo 1 TEL: 29868
13. K.D. & A.D. Silva
180, Deans Road, Colombo 10 TEL: 92336
14. L.H. Piyasena & Co.
No. 151, Nawala Road, Marahenpitliya, Colombo 5 TEL: 580524
15. Link (Engineering) Ltd.
123, Campbell Place, Colombo 10 TEL: 91942
16. Premier Engineers Ltd.
15, Morgan Road, Colombo 2 TEL: 26611
17. Samuel Sons & Co. Ltd.
371, Old Moor St. P.O. Box 46, Colombo 12 TEL: 32341
18. SRI LANKA Construction Engineers
32, Rudha Mawatha, Colombo 6 TEL: 81748
19. Tudawe Bros. Ltd.
No. 505/2, Elvitigala Mawatha, Colombo 5 TEL: 583876
20. U.N. Gunasekera
19, Deal Place-A, Colombo 3 TEL: 29667
21. Walker & Greig Ltd.
P.O. Box 165, Darley Road, Colombo 10 TEL: 93281
22. Walker Sons & Co. Ltd.
Colombo Iron Works, Graving Dock, Mutwal TEL: 1118

規

格

(1) スリランカ規格 抜 粋

S L S 2 : 1975	Clay roofing tiles
C S 9 : 1967	Asbestos cement corrugated and flat sheets
S L S 14 : 1977	Mild steel for general structural purposes
C S 26 : 1968	Hot rolled mild steel round bars for concrete reinforcement
S L S 39 : 1978	Common burnt clay building bricks
S L S 40 : 1981	PVC insulated electric cables and flexible cords with copper conductors
C S 73 : 1969	Dimensions and properties for steel channels, angles and tee bars, metric series
C S 75 : 1969	Dimensions of steel flats for structural and engineering purposes
C S 95 : 1970	Welded hard drawn steel wire fabric for concrete reinforcement
S L S 107 : 1982	Ordinary portland cement
C S 129 : 1972	'BASIC MODULE' to be used in the building industry
C S 130 : 1972	Horizontal multi-modules to be used in the building industry
C S 132 : 1972	Classification of building components for dimensional co-ordination
S L S 262 : 1975	Method of sampling, analysis and testing of concrete
S L S 364 : 1975	Building and civil engineering drawings-symbols for concrete reinforcement
S L S 375 : 1976	Cold worked deformed steel bars for the reinforcement of concrete

基

準

建設基準

一般的には、英国基準(BS)や、これに基づくBSCP (Codes of Practice)が使われている。公共工事の仕様書などでは、一部の材料について、BSに準じているCS(Ceylon Standards)やSLS(SRI LANKA STANDARDS)が使われている。ただし、BS、CS、SLS以外の標準、基準でもよく、特に外国からの援助によるものは援助国の標準、基準によっている場合がほとんどである。

出典： (1) Sri Lanka Standards Institution

技術教育

技術教育の状況・制度

建築に関する教育は、職人育成のための職業訓練は種々の機関で行われている。建築技術者のための高等教育機関はモロトワ大学の建築コースの他、数校で建設・土木工学コースがあるが本格的に教育を受けようとする者は、イギリス等の外国に留学しているのが実状である。

学会
協会等

スリ・ランカ建築家協会 (SRI LANKA INSTITUTE OF ARCHITECTS)、技術者協会 (SRI LANKA INSTITUTE OF ENGINEERS)などがある。

出典:

現地政府公共工事発注機関による資料

1. ICTAD Guidelines for Tender Procedures - Sri Lanka (two pieces)
2. ICTAD Conditions of Contract for Works of Building & Civil Engineering - Sri Lanka (two pieces)
3. ICTAD Specifications for Building Works - Sri Lanka (two pieces)
4. CITP Basic Course Carpentry Hand Book
5. CITP Advance Course Carpentry Hand Book
6. Survey Report of Third Tracer Study on Former Trainees Trained by "Construction Industry Training Project" (CITP) 1985.11
7. (CITP) Assessment of Training Needs in the Construction Industry, 1985.12 (Nat'l Inst. of Business Management)
8. Introduction to Conditions of Contract tender Procedures and Specifications, E.I. Munashinha
9. Output of Trainees CITP (P2)
10. Construction Industry Development Division - Quantity Surveying Unit - (Inst. for Construction Training & Development)
11. Construction Industry National Skill Standards for Masons
12. " Carpenters
13. " Electrical Wiremen
14. " Plumbers

出典:

無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

15. Construction Industry National Skill Standards for Steel Fixer/Bar Bender
16. " Construction Supervisor
17. " Equipment Mechanics Class I
18. " Equipment Mechanics Class II
19. " Equipment Mechanics Class III
20. " Heavy Earthmoving Equipment Operators
21. " Method of Measurement of Building Works (SLS 573, 1982)
22. Name & Address of the Members of Association of Contractors
23. Administration Reports Department of Buildings 1984/5
24. Organization Chart, Department of Buildings 1986
25. Building Schedule of Rates, Department of Buildings
 - a) Analysis
 - b) Maintenance items with list of prices of materials
26. Statistical Bulletin on Housing & Construction, Ministry of Local Government
Housing & Construction
27. Standard Methods of Measurement of Building Works in Ceylon, Department of
Building (Imperial Units)
28. Methods of Measurement of Building Works, Bureau of Ceylon Standards
(Metric Units)
29. Documents on Contract Administration, Department of Buildings

出典： 無償資金協力案件の事業費積算に関する基礎調査報告書
(別冊スリランカ編) 昭和62年3月 国際協力事業団

付 属 資 料

当別冊集は、基本的には下記の建設事情集データ概要に従ってスリランカ民主主義共和国データを取りまとめた。

また、下記の※印は、スリランカ民主主義共和国建設事情集データとして、当別冊集内へ記載されている項目を示す。

A. 建設活動の概要

大項目	中項目	細項目
A.A 社会・経済の動向	国家経済	G.N.P.の総額推移 ※
		産業別実質G.D.P ※
	国家財政	主要項目別歳入・歳出 ※
		国債依存度(国際比較)
		貿易
		貿易収支とその推移
		商品別輸出・入高 ※
		主要相手国
		主要工業製品生産量
	労働・資金	主要産業別就業者数 ※
		失業者数及び失業率
		産業別月間労働時間数
		主要産業別現金給与額
	物価・通貨	主要産業別最低賃金 ※
		為替交換率の変動 ※
インフレ率 ※		
消費者物価指数の変動 ※		
卸売物価指数の変動		
A.B 統計及び経済指数	建設投資	建設投資額の推移
		建築着工量の推移 ※
		建築除却量の推移
建設指数	建設費の推移 ※	
	建設物価の変動 ※	
A.C 現地標準価格		現地無償条件工事の価格水準
		現地他機関工事の価格水準
		現地公共工事の価格水準 ※
A.D 運営・維持管理		予算
		運営体制及び運営人員
		維持管理コスト

B. 自然条件

大項目	中項目	細項目	
B.A 気象条件	気候区分	気候圏・気候区 ※	
	温 度	月別平均気温	※
		最高気温/最低気温の平均	
		日較差・月較差	
	湿 度	月別平均湿度	※
		最高湿度/最低湿度の平均	
	用 量	平均雨量	※
		乾期・雨期等の状況	
		最大雨量	
		時間当たり最大雨量	
	風向・風速	季節的な最頻風向	※
風速		※	
日照・日射	平均日照時間	※	
	日射量		
	その他特異な気象条件		
B.B 地勢・地質	一般的事項	一般的な地勢・地質 ※	
	面 積	山地・平原等面積	※
		可住地面積	
	緯度・経度		
	高低差		
	河川・山岳の状況	※	
B.C 災 害	災害の歴史		
	地震	規模震度	※
		震源地	
		頻 度	
		被害状況	
		津 波	
	地すべり	規 模	
		頻 度	
		被害状況	
	風水害	台風・豪雨の頻度	※
		浸水地域の広さ	
		被害状況	
	雷・たつまき	頻 度(雷)	※
		被害状況(雷)	
		頻 度(たつまき)	
		被害状況(たつまき)	
	虫 害	発生状況	※
		害虫の種類	
		被害状況	
防止方法			
	その他の特殊な災害		

C. 一般建設事情

大項目	中項目	細項目	
C.A 公共営繕		公共営繕の組織人員 ※	
		公共営繕の予算額・工事量	
		設計・施工体制 ※	
		地方の組織	
		会計制度－入札・契約等	
		その他	
C.B 法律	建築物の規制	根拠法令 ※	
		行政組織 ※	
		手続き ※	
		地域的規則 ※	
		単体等規則	
	建築技術者の規制	根拠法令	
		手続き	
		営業的規制	
		資格的規制	
	建設業の規制	根拠法令	
		行政組織	
		手続き	
		営業要件	
		許可事項の有無	
		税 制	税制免除、優遇、償却控除
			輸入材への課税
	土地家屋の売買に対する税制		
	建築物を媒介とする営業行為に対する規制		
		環境保全に関する規制・根拠法令等	
		建築物等の登録方法	
		その他	
	C.C 契 約	発注段階における契約協定	入札方法
			業者の選定
			資格条件
		契約段階における契約協定	保証書及び保証金
			工事管理方式
			完成検査及び引渡し方式
事前審査			
契約文書		標準的契約書的方式	
		契約文書	
		標準契約条項	

C. 一般建設事情 (つづき)

大項目	中項目	細項目
C.D 設計	建築業務に関する義務・手続き等	
	建築設計機構	建築設計事務所数
		標準的組織
		人員数
		技術レベル
		営業体制
		コンサルタントリスト ※
C.E 積算	標準的積算方法	
	現行ローカル市場価格及び複合単価	労務費 ※
		資材費 ※
		複合単価
		歩掛り ※
	積算書式	
C.F 労務	労務状況	労働人口の推移
		建設労働の実態 (労務レベル等) ※
		労務時間及び月平均労働日数 ※
	労務資金	取入別資金及びその推移 ※
		規定されている最低賃金
	労働福祉	労働者への福祉
	労働災害	発生状況
		災害の種類とその部位
		労災保険
		工事保険 ※
		第三者保険
		雇用形式
		労働組合
		地域差 ※
C.G 資材及び建設機械	流通機構	主要建設資材の生産流通体制及び品質 ※
		納入業者リスト ※
		主要資材の製品規格等
	需給状況	主要資材の消費量
		主要資材の生産量
		主要資材の輸入量
		主要資材の在庫量
	建設機械	建設重機リース料金 ※
	資材価格	主要資材単価及びその推移
		地域差 ※
	輸送・その他	資機材の輸送方法 ※
		輸入禁止項目
		インフラストラクチャーの状況
		電気、ガス、水道料金 ※

C. 一般建設事情 (つづき)

大 項 目	中 項 目	細 項 目
C.H 工 法	建設工事の実態	工 法 ※
		標準的工期
	施工体制	請負業者数 ※
		平均的作業規模
		人員数
		財政状況
		資本金
		営業体制
		雇用関係
		技術的レベル
		下請制の有無
請負業者リスト ※		
C.J 品質基準	規 格 ※	
	基 準 ※	
C.K 維持管理		維持管理の方法
		償却年限
		耐用年数
		損害保険の状況
C.L 社会的慣習	社会的慣習上避けるべき事項	
	宗教上避けるべき事項	
	建築儀式	着工式
		上棟式
		完工式
C.M 建築教育、学会等	技術教育	技術教育の状況・制度 ※
		年 限
		学生数
		卒業年度
	技能訓練	技能訓練の状況・制度
		雇用状況
	学会、協会等	学会等の状況
		協会等の状況 ※
C.N 実例調査		
C.Y その他		
C.Z 現地建設事情についての 刊行物の概要 ※		

A. 建設活動の概要 (OUTLINE OF CONSTRUCTION ACTIVITIES)

大 項 目	中 項 目	細 項 目
A.A 社会・経済の動向 SOCIAL ECONOMIC TRENDS	国家経済 ECONOMY	G.N.P.の総額推移 Movement of G.N.P. per capita
		産業別実質G.D.P. Industry contribution to G.D.P.
	国家財政 FINANCE	主要項目別歳入・歳出 Main items of Income and Expenditure
		国債依存度(国際比較) Dependency level of National Debt (International Comparison)
	貿易 TRADING	貿易収支とその推移 Balance of Trade Movement
		商品別輸出・入高 Imports and Exports
		主要相手国 Main trading countries
		主要工業製品生産量 Production level for major industrial products
	労働・賃金 LABOR, WAGES	主要産業別就業者数 Main industry employment level
		失業者数及び失業率 Unemployment level
		産業別月間労働時間数 Number of working day and time
		主要産業別現金給与額 Wages rates
		主要産業別最低賃金 Minimum wages
	物価・通貨 PRICE, CURRENCY	為替交換率の変動 Fluctuation of exchange rate
		インフレ率 Rate of inflation
		消費者物価指数の変動 Consumer price index
		卸売物価指数の変動 Wholesale price index

A. 建設活動の概要 (OUTLINE OF CONSTRUCTION ACTIVITIES)

大 項 目	中 項 目	細 項 目
A.B 統計及び経済指数 STATISTICAL AND ECONOMICAL INDEX	建設投資 CONSTRUCTION INVESTMENT	建設投資額の推移 Movement of construction investment
		建築着工量の推移 Movement of current amount of construction work
		建築除却量の推移 Movement of building demolition amount
	建設指数 CONSTRUCTION PRICE INDEX	建設費の推移 Movement of construction costs
		建設物価の変動 Fluctuation of construction prices
A.C 現地標準価格 LOCAL AVERAGE CONSTRUCTION COSTS		現地無償案件工事の価格水準 Average local construction cost for Japan bilateral projects
		現地他機関工事の価格水準 Average local cost for other overseas agencies projects
		現地公共工事の価格水準 Average construction cost level for public organisation projects
A.D 運営・維持管理 MAINTENANCE, OPERATIONS		予 算 Budget
		運営体制及び運営人員 Operations system and staff
		維持管理コスト Maintenance and management costs

B. 自然条件 (CONDITION OF NATURE)

大 項 目	中 項 目	細 項 目
B.A 気象条件 CONDITION OF CLIMATE	気候区分 REGIONAL CLIMATE CONDITIONS	気候圏・気候区 Regional climate conditions
	温 度 TEMPERATURE	月別平均気温 Average monthly temperature
		最高気温 / 最低気温の平均 Maximum and minimum average temperature
		日較差・月較差 Difference temperature level for daily and monthly
	湿 度 HUMIDITY	月別平均湿度 Average monthly humidity level
		最高湿度 / 最低湿度の平均 Maximum and minimum average humidity level
	雨 量 AMOUNT OF RAINFALL	平均雨量 Average amount of rainfall
		乾期・雨期等の状況 Condition of dry and wet period
		最大雨量 Maximum amount of rainfall
		時間当たり最大雨量 Maximum amount of rainfall per time (second/minute/hour etc)
	風向・風速 WIND SPEED AND DIRECTION	季節的な最頻風向 Season with the most frequent wind direction
		風速 Wind speed
	日照・日射 SUNLIGHT, INSOLATION	平均日照時間 Average sunlight time
		日射量 Insolation level
	その他特異な気象条件 OTHERS SPECIAL CLIMATE CONDITIONS	
B.B 地勢・地質 GEOGRAPHICAL FEATURES, GEOLOGY	一般的事項 GENERAL INFORMATION	一般的な地勢・地質 General geographical features, Geology
	面 積 AREA	山地・平原等面積 Mountain and flat land area etc
		可住地面積 Area which can be used as residential centre
	緯度・経度 LONGITUDE AND LATITUDE	
	高低差 DIFFERENCE OF HIGH AND LOW LEVEL	
	河川・山岳の状況 CONDITION OF MOUNTAIN AND RIVER	

B. 自然条件 (CONDITION OF NATURE)

大 項 目	中 項 目	細 項 目
B.C 災 害 DISASTER	災害の歴史 HISTORY OF DISASTER	
	地震 EARTHQUAKE	規模程度 Magnitude level of earthquake
		震源地 Place of origin for earthquake
		頻 度 Frequency of earthquake
		被害状況 Damage condition
		津 波 Tidal wave
	地すべり LANDSLIDE	規 模 Size of landslide
		頻 度 Frequency of landslide
		被害状況 Damage condition
	風水害 TYPHOON AND FLOODS	台風・豪雨の頻度 Frequency of typhoon and storm
		浸水地域の広さ Spread of flooded area
		被害状況 Damage condition
	雷・たつまき LIGHTNING AND TORNADO	頻 度 (雷) Frequency (lightning)
		被害状況 (雷) Damage condition (lightning)
		頻 度 (たつまき) Frequency (tornado)
		被害状況 (たつまき) Damage condition (tornado)
	虫 害 INSECT DAMAGE	発生状況 Causes of occurrence
		害虫の種類 Types of insect damage
		被害状況 Damage condition
		防止方法 Methods of pre-caution
	その他の特殊な災害 OTHER SPECIAL DISASTER	

C. 一般建設事情 (GENERAL CONSTRUCTION INFORMATION)

大項目	中項目	細項目
C.A 公共営繕 PUBLIC CONSTRUCTION WORK		公共営繕の組織人員 Management (Organisation) & Staff for public construction work
		公共営繕の予算額・工事量 Budget and amount of public construction work
		設計・施工体制 Design, construction system
		地方の組織 Local organisation
		会計制度・入札・契約等 Procurement system - tender, contract
		その他 Others
C.B 法律 LEGAL	建築物の規制 BUILDING CONTROL REGULATIONS	根拠法令 Legislation
		行政組織 Administrative structure
		手続き Procedure
		地域的規則 Building area regulations
		単体等規則 Per building unit regulations
	建築技術者の規制 BUILDING ENGINEERS REGULATIONS	根拠法令 Legislation
		手続き Procedure
		営業的規制 Management regulations
		資格的規制 Qualification regulations
	建設業の規制 CONSTRUCTION INDUSTRY REGULATIONS	根拠法令 Legislation
		行政組織 Administrative structure
		手続き Procedure
		営業要件 Management requirements
		許可事項の有無 Permitted item

C. 一般建設事情 (GENERAL CONSTRUCTION INFORMATION)

大 項 目	中 項 目	細 項 目
	税 制 TAX SYSTEM	税制免除、優遇、償却控除 Tax relief, incentives, depreciation allowance
		輸入材への課税 Import duties
		土地家屋の売買に対する税制 Tax system for sale/purchase of property
	建築物を媒介とする営業行為に対する規制 BUILDING BUSINESS REGULATIONS	
	環境保全に関する規制・根拠法令等 ENVIRONMENTAL PROTECTION REGULATIONS AND LEGISLATION .	
	建築物等の登録方法 BUILDING REGISTRATION SYSTEM	
	その他 OTHERS	
C.C 契 約 CONTRACT	発注段階における契約協定 TENDERING STAGE	入札方法 Methods of bidding
		業者の選定 Selection of contractor
		資格条件 Qualification criteria
	契約段階における契約協定 AWARD OF CONTRACT	保証書及び保証金 Bond and guarantee amount
		工事管理方式 Construction management system
		完成検査及び引渡し方式 Methods of handover and inspection
		事前審査 Pre-judgment
	契約文書 CONTRACT DOCUMENTS	標準的契約書の方式 Standard form of contract document
		契約文書 Contract documents
	標準契約条項 STANDARD CONTRACT PROVISION	

C. 一般建設事情 (つづき) (GENERAL CONSTRUCTION INFORMATION)

大 項 目	中 項 目	細 項 目
C.D 設 計 DESIGN	建築業務に関する義務・手続き等 CONSTRUCTION SERVICES, DUTIES AND PROCEDURES ETC	
	建築設計機構 ORGANISATION FOR BUILDING DESIGN	建築設計事務所数 Number of architect office
		標準的組織 Standard organisation
		人員数 Number of staff
		技術レベル Professional level
		営業体制 System of management
		コンサルタントリスト List of consultant
C.E 積 算 ESTIMATION	標準的積算方法 STANDARD ESTIMATING SYSTEM	
	現行ローカル市場価格及び複合単価 CURRENT LOCAL MARKET PRICE AND UNIT COST	労務費 Labor cost
		資材費 Materials cost
		複合単価 Unit cost
	歩掛り RATE OF PRODUCTIVITY FOR LABOR/MATERIAL	
	積算書式 ESTIMATION FORM	
C.F 労 務 LABOR	労務状況 CONDITION OF LABOR	労働人口の推移 Movement of labor forces
		建設労働の実態 (労務レベル等) Condition of construction labor (Level of skill)
		労務時間及び月平均労働日数 Monthly normal working day and time
	労務賃金 LABOR WAGES	職人別賃金及びその推移 Movement of wages for skilled labor
		規定されている最低賃金 Minimum wages
	労働福祉 LABOR'S WELFARE	労働者への福祉 Labor's welfare
	労働災害 ACCIDENT AT SITE	発生状況 Causes of accidents
		災害の種類とその部位 Nature and types of accident
		労災保険 Insurance against injury to workmen
		工事保険 Project's insurance

C. 一般建設事情(つづき)(GENERAL CONSTRUCTION INFORMATION)

大 項 目	中 項 目	細 項 目
		第三者保険 Third party insurance
	雇用形式 TYPES OF EMPLOYMENT	
	労働組合 LABOR UNION	
	地域差 REGIONAL DIFFERENCE	
C.G 資材及び建設機械 CONSTRUCTION MATERIAL AND MACHINERY	流通機構 DISTRIBUTION OF CONSTRUCTION MATERIALS	主要建設資材の生産流通体制及び品質 Distribution system and quality of production of main construction materials
		納入業者リスト List of manufacturer
		主要資材の製品規格等 Standard production for main materials
	需給状況 DEMAND AND SUPPLY CONDITION	主要資材の消費量 Main materials expenditure level
		主要資材の生産量 Main materials production level
		主要資材の輸入量 Main materials import level
		主要資材の在庫量 Main material stock level
	建設機械 CONSTRUCTION MACHINERY AND PLANT	建設系機リース料金 Lease fee for heavy construction machinery and plant
	資材価格 MATERIALS COST	主要資材単価及びその推移 Movement of main materials unit cost
	地域差 REGIONAL DIFFERENCE	
	輸送・その他 TRANSPORTS, OTHERS	資機材の輸送方法 Transport system for materials and equipment
		輸入禁止項 Prohibition of imported items
		インフラストラクチャーの状況 Infrastructure level
		電気、ガス、水道料金 Electricity, gas, water charges

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大 項 目	中 項 目	細 項 目
C.H 工 法 CONSTRUCTION TECHNIQUES	建設工事の実態 CONDITION OF CONSTRUCTION WORK	工 法 Techniques
		標準的工期 Standard construction period
	施工体制 CONSTRUCTION SYSTEM	請負業者数 Number of contractors
		平均的事業規模 Average scale of contractor's company
		人員数 Number of contractor's staff
		財政状況 Contractor's financial condition
		資本金 Contractor's capital
		営業体制 Contractor's management system
		雇用関係 Employment relationship
		技術的レベル Standard technique
		下請制の有無 Sub-contracting system
		請負業者リスト List of contractors
C.J 品質基準 STANDARD OF QUALITY	規 格 REGULATIONS	
	基 準 STANDARD	
C.K 維持管理 MAINTENANCE AND ADMINISTRATION		維持管理の方法 Maintenance and administration system
		償却年限 Depreciation term
		耐用年数 Durability period
		損害保険の状況 Claims for damages
C.L 社会的慣習 SOCIETY'S CUSTOM	社会的慣習上避けるべき事項 CUSTOMARY ITEMS TO BE AVOIDED	
	宗教上避けるべき事項 RELIGION ITEMS TO BE AVOIDED	
	建築儀式 CONSTRUCTION FORMALITIES	着工式 For commencement of work
		上棟式 For framowork
		完工式 For completion of work

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C.M 建築教育、学会等 TRAINING AND EDUCATION SYSTEM FOR BUILDING	技術教育 TECHNICAL EDUCATION	技術教育の状況・制度 Technical education system
		年 限 Term
		学生数 Number of student
		卒業年度 Duration period
	技能訓練 TRAINING OF SKILL	技能訓練の状況・制度 System for training of skill
		雇用状況 Employment condition
	学会、協会等 INSTITUTION, ASSOCIATIONS ETC	学会等の状況 General condition and availability of institutions
	協会等の状況 General condition and availability of associations	
C.N 実例調査 PAST EXAMPLE		
C.Y その他 OTHERS		
C.Z 現地建設事情について の刊行物の概要 OUTLINE OF PUBLICATION FOR LOCAL CONSTRUCTION INFORMATION		

JICA