

Sri Lanka

Rubber Development Department

Rubber Economic Cost Survey - 1986

Study Documentation

November 9, 2009

Metadata Production

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Sri Lanka (1986-1987)

Rubber Economic Cost Survey - 1986 (RECS 1986)

Overview	
Type	Administrative Records, Other (ad/oth]
Identification	LKA-DCS-RECS-1986-v1.0
Version	Production Date: 1987 V1.0: Full edited dataset, for internal DPD Use
<p><u>Abstract</u></p> <p>The Rubber Control Department was established to enforce the legislative provisions of Rubber Control Ordinance No 63 of 1938 which was later repealed by the Rubber Control Act No 11 of 1956. The Rubber Replanting Subsidy fund was established for the purpose of subsidizing the replanting of rubber plants under the rubber replanting subsidy Act No 36 of 1953 to which amendments were made by enforcing Acts No 01 of 1995, No 54 of 1956 and no 09 of 1998.</p> <p>The Rubber Control Department was upgraded in to Rubber Development Department as a result of amalgamation of Rubber Control Department with the advisory Board of Rubber Research Institute in 1994.</p> <p>Rubber is a major export crop in the island. It is an important industrial raw-material for local and foreign automobile industry. A favourable feature in the rubber industry is that most of the traditional products such as sheet rubber has been diverted to technically specified rubber and concentrated latex. Increase of local consumption leads to the decrease of exports and it could be a favourable measure to face with low prices of raw materials prevailing in the foreign market.</p> <p>Rubber is grown in the Districts such as Colombo, Gampaha, Kalutara, Kandy, Matale, N'Eliya, Galle, Matara, Hambantota, Kurunegala, Puttalam, Badulla, Monaragala, Ratnapura and Kegalle.</p> <p>A rubber estate is normally managed by a superintendent who has to report to a private owner (provided the estate is owned by a private owner) or a plantation company handling multiple estates. Some estates have their own factories, those who do not own a factory supply their latex to a nearby factory for processing where they are paid at a weekly rate declared by the government taking the market conditions into account. The latex purchased from outside estates by a factory are called Bought latex. Three types of rubber are produced in factories namely - Sheet, Crepe and Latex.</p> <p>Some of the workers employed in a large rubber estate are resident in the estate. The activities that the workers perform are monitored on a daily basis such as tapping, fertilizing and so forth. The cost of production of made rubber is a good indicator of measuring the performance of an estate. Therefore all costs are closely monitored. To facilitate this, a special kind of ledger called the CHECKROLL is used in the offices of the factory and the estates. This is like a day book. The estate can decide on the type of checkrolls they are maintaining in order to simplify the recording of various types of estate costs as well as the tasks assigned to workers and the material quantities utilized.</p> <p>Some examples of different checkrolls are daily wages checkroll, fertilizer checkroll, factory process checkroll etc. The daily wages checkroll has a name column and thirty one columns for each month. In the name column the worker's name is recorded. Any task he is assigned to on a particular day is recorded with a task code in the day's column against his name. Each activity has a task code. At the end of the month the costs are analyzed by the task codes to obtain payables and to work out accounting entries.</p>	
Kind of Data	Administrative records data [adm]

Rubber Economic Cost Survey - 1986 - Overview

Unit of Analysis	Rubber estate / factory
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Scope & Coverage	
<u>Scope</u>	<p>This scope includes topics such as :</p> <p>General (Identification details)</p> <p>Estate size Crops and Lands</p> <p>Maintenance of mature rubber</p> <p>Tapping and collecting costs</p> <p>Establishment and maintenance of all young immature rubber</p> <p>Factory costs</p> <p>Estate maintenance and upkeep</p> <p>General charges</p> <p>Production and prices</p> <p>Marketing and agency house expenses</p> <p>Estate labour and other staff</p>
<u>Geographic Coverage</u>	<p>National Coverage of Rubber estates under the ownership of Sri Lanka State Plantations Corporation, Janatha Estate Development Board, Cooperatives, Other manufacturing organizations and private estates.</p>
<u>Universe</u>	<p>This data collection operation covered all rubber estates and factories in Sri Lanka.</p>

Producers & Sponsors	
Primary Investigator(s)	Rubber Development Department, Ministry of Plantation Industries
Funding Agency/ies	Rubber Development Department (RDD) , Source of funds

Data Collection	
Data Collection Dates	<p>start 1986</p> <p>end 1987</p>
Data Collection Mode	Mail Questionnaire [mail]
Data Collector(s)	
<u>Supervision</u>	<p>Each estate / factory has its own office. The main register in recording all estate activities such as routine expenses, daily labour hours, etc is the checkroll. The estate / factory staff record the information in the checkroll. At the end of the month total figures are posted from the checkroll to the ledgers.</p>

Data Processing & Appraisal	
<p><u>Data Editing</u></p> <p>A simple form has been administered to collect the information as this operation is an administrative record keeping activity. The data filled in the form must be in consistence with the figures in the books maintained by the estate / factory.</p>	
Accessibility	
Access Authority	Director General (Department of Census and Statistics) , http://www.statistics.gov.lk , dgcensus@slt.net.lk
Contact(s)	<p>Director General (Department of Census and Statistics) , http://www.statistics.gov.lk / , dgcensus@slt.net.lk</p> <p>Agriculture and Environment Statistics Division (Department of Census and Statistics) , http://www.statistics.gov.lk/agriculture/index.htm , agriculture@statistics.gov.lk</p> <p>Information Unit (Department of Census and Statistics) , http://www.statistics.gov.lk/ , information@statistics.gov.lk</p>
<p><u>Confidentiality</u></p> <p>Under the Statistical ordinance, micro data cannot be released with identifications for public use. Procedures are in place to ensure that information relating to any particular individual person, household or undertaking will be kept strictly confidential and will not be divulged to external parties. Information on individual or individual Household/establishment will not be divulged or published in such a form that will facilitate the identification of any particular person or establishment as the data have been collected under the Census/Statistical ordinance, according to which the information at individual level cannot be divulged and such information is strictly confidential.</p>	
<p><u>Access Conditions</u></p> <p>The dataset has been anonymized and is available as a Public Use Dataset. It is accessible to all for statistical and research purposes only, under the following terms and conditions:</p> <ol style="list-style-type: none"> 1. The data and other materials will not be redistributed or sold to other individuals, institutions, or organizations without the written agreement. 2. The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organizations. 3. No attempt will be made to re-identify respondents, and no use will be made of the identity of any person or establishment discovered inadvertently. 4. No attempt will be made to produce links among datasets provided by the Department or among data from the Department and other datasets that could identify individuals or organizations. 5. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the Department will cite the source of data in accordance with the Citation Requirement provided with each dataset. 6. An electronic copy of all reports and publications based on the requested data will be sent to the Department <p>The following rules apply to micro data released by the Department of Census and Statistics.</p> <ul style="list-style-type: none"> • Only the requests of Government Institutions, Recognized Universities, Students, and selected international 	

agencies are entertained. However, the Data users are required to strictly adhere to the terms stipulated in the agreement form.

- All the data requests should be made to Director General (DG) of the DCS as the sole authority of releasing data is vested with the DG of the DCS. The DCS of Sri Lanka reserves sole right to approve or reject any data request made depending on the confidential nature of the data set and intended purpose of the study or analysis.
- Requests for micro data should be made through the agreement form designed by DCS for this purpose (Form D.R.1). The agreement form should be filled in triplicate and the Study/project proposal should accompany the filled agreement form. If requests are made for the micro data of more than one survey, a separate agreement should be signed.
- If the data request is from a student a letter from the respective Dept. Head/Dean/Supervisor, recommending the issue of data, should also be accompanied.
- If the request is approved only 25% of the data file is released at the first stage. The release of the total data file is considered only after reviewing the draft report prepared on the basis of the 25% sample data file.
- The released Data file should be used only for the specific study/Analysis mentioned in the agreement form and shall not be used for any other purpose without the prior approval of the Director General of the DCS. Moreover, Copies of the micro-data file, obtained from the DCS, shall not be given to anyone else without the prior written approval of the Director General of the DCS.
- The draft report of the Study/Analysis should be submitted to the DCS and the concurrence of the DG of the DCS, should be obtained before publishing it. Once published, a copy of the final report should be submitted to the DCS.

[Department : The Department of Census and Statistics (DCS)]

Source : [http://www.statistics.gov.lk/databases/data dissemination/DataDissaPolicy_2007Oct26.pdf](http://www.statistics.gov.lk/databases/data%20dissemination/DataDissaPolicy_2007Oct26.pdf)

Citation Requirements

Department of Census and Statistics, Rubber Economic Cost Survey - 1986 [RECS1986], Version 1.0 of the internal use dataset August 2009, provided by the National Data Archive, Data Processing Division, www.statistics.gov.lk

Rights & Disclaimer

Disclaimer

The Department of Census and Statistics bears no responsibility for any results or interpretations arising from the secondary use of the data.

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Files Description

Dataset contains 2 file(s)

File86-1	
# Cases	1888
# Variable(s)	19

File86-2	
# Cases	118
# Variable(s)	19

Variables List

Dataset contains 38 variable(s)

File File86-1							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	RECTYPE	RecType	continuous	numeric-1.0	1888	0	-
2	DISTRICT	District	continuous	numeric-2.0	1888	0	-
3	TYPE	Type of Rubber	continuous	numeric-1.0	1888	0	-
4	SCHEDULE_NO	Schedule No	continuous	numeric-2.0	1888	0	-
5	COST1	Cost (Rs)	continuous	numeric-8.0	777	1111	-
6	CODEA	Cost item.	continuous	numeric-3.0	1888	0	-
7	COST2	Cost (Rs)	continuous	numeric-8.0	1135	753	-
8	CODEB	Cost item	continuous	numeric-3.0	1888	0	-
9	COST3	Cost (Rs)	continuous	numeric-8.0	825	1063	-
10	CODEC	Cost item	continuous	numeric-3.0	1888	0	-
11	COST4	Cost (Rs)	continuous	numeric-8.0	926	962	-
12	CODED	Cost item	continuous	numeric-3.0	1888	0	-
13	COST5	Cost (Rs)	continuous	numeric-8.0	979	909	-
14	CODEE	Cost item	continuous	numeric-3.0	1888	0	-
15	COST6	Cost (Rs)	continuous	numeric-8.0	972	916	-
16	CODEF	Cost item	continuous	numeric-3.0	1888	0	-
17	BLANKS	Blank Field	continuous	numeric-4.0	0	1888	-
18	SEQ	Sequence	continuous	numeric-2.0	0	1888	-
19	JOB	Job code	continuous	numeric-2.0	0	1888	-

File File86-2							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	RECTYPE	RecType	continuous	numeric-1.0	118	0	-
2	DISTRICT	District	continuous	numeric-2.0	118	0	-
3	TYPE	Type of Rubber	continuous	numeric-1.0	118	0	-
4	SCHEDULE_NO	Schedule No	continuous	numeric-2.0	118	0	-
5	ITEM1	Item1	continuous	numeric-4.0	89	29	-
6	ITEM2	Item2	continuous	numeric-4.0	101	17	-
7	ITEM3	Item3	continuous	numeric-4.0	69	49	-
8	ITEM4	Item4	continuous	numeric-4.0	71	47	-
9	ITEM5	Item5	continuous	numeric-4.0	15	103	-
10	ITEM6	Item6	continuous	numeric-4.0	22	96	-
11	ITEM7	Item7	continuous	numeric-4.0	64	54	-

Rubber Economic Cost Survey - 1986 - Variables List

File File86-2 (cont.)							
#	Name	Label	Type	Format	Valid	Invalid	Question
12	ITEM8	Item8	continuous	numeric-4.0	54	64	-
13	ITEM9	Item9	continuous	numeric-4.0	53	65	-
14	ITEM10	Item10	continuous	numeric-4.0	23	95	-
15	ITEM11	Item11	continuous	numeric-4.0	66	52	-
16	ITEM12	Item12	continuous	numeric-4.0	44	74	-
17	BLANKS	Blank Field	discrete	character-22	87	-	-
18	SEQ	Sequence	continuous	numeric-2.0	0	118	-
19	JOB	Job code	continuous	numeric-2.0	0	118	-

Variables Description

Dataset contains 38 variable(s)

File File86-1

#1 RECTYPE: RecType

Information	[Type= continuous] [Format=numeric] [Range= 1-1] [Missing=*]
Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=1 /-] [StdDev=0 /-]

#2 DISTRICT: District

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=4.788 /-] [StdDev=2.525 /-]

#3 TYPE: Type of Rubber

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]		
Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=2 /-] [StdDev=0.975 /-]		
Value	Label	Cases	Percentage
1	Sheet	896	47.5%
2	Crepe	96	5.1%
3	Latex	896	47.5%
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#4 SCHEDULE_NO: Schedule No

Information	[Type= continuous] [Format=numeric] [Range= 1-23] [Missing=*]
Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=10.322 /-] [StdDev=8.247 /-]

#5 COST1: Cost (Rs)

Information	[Type= continuous] [Format=numeric] [Range= 1-624119] [Missing=*]
Statistics [NW/ W]	[Valid=777 /-] [Invalid=1111 /-] [Mean=40633.857 /-] [StdDev=125309.532 /-]

#6 CODEA: Cost item.

Information	[Type= continuous] [Format=numeric] [Range= 5-690] [Missing=*]
Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=52.75 /-] [StdDev=29.77 /-]
Frequency table not shown (130 Modalities)	

#7 COST2: Cost (Rs)

Information	[Type= continuous] [Format=numeric] [Range= 6-3288106] [Missing=*]
-------------	--

File File86-1 (cont.)

#7 COST2: Cost (Rs) (cont.)

Statistics [NW/ W]	[Valid=1135 /-] [Invalid=753 /-] [Mean=183394.865 /-] [StdDev=614036.398 /-]
--------------------	--

#8 CODEB: Cost item

Information	[Type= continuous] [Format=numeric] [Range= 6-112] [Missing=*]
-------------	--

Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=54.375 /-] [StdDev=30.524 /-]
--------------------	--

Frequency table not shown (130 Modalities)

#9 COST3: Cost (Rs)

Information	[Type= continuous] [Format=numeric] [Range= 2-1927376] [Missing=*]
-------------	--

Statistics [NW/ W]	[Valid=825 /-] [Invalid=1063 /-] [Mean=59694.682 /-] [StdDev=130095.23 /-]
--------------------	--

#10 CODEC: Cost item

Information	[Type= continuous] [Format=numeric] [Range= 7-113] [Missing=*]
-------------	--

Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=55.438 /-] [StdDev=30.516 /-]
--------------------	--

Frequency table not shown (130 Modalities)

#11 COST4: Cost (Rs)

Information	[Type= continuous] [Format=numeric] [Range= 2-481935] [Missing=*]
-------------	---

Statistics [NW/ W]	[Valid=926 /-] [Invalid=962 /-] [Mean=81432.661 /-] [StdDev=278857.356 /-]
--------------------	--

#12 CODED: Cost item

Information	[Type= continuous] [Format=numeric] [Range= 8-114] [Missing=*]
-------------	--

Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=56.5 /-] [StdDev=30.535 /-]
--------------------	--

Frequency table not shown (130 Modalities)

#13 COST5: Cost (Rs)

Information	[Type= continuous] [Format=numeric] [Range= 1-540393] [Missing=*]
-------------	---

Statistics [NW/ W]	[Valid=979 /-] [Invalid=909 /-] [Mean=51743.177 /-] [StdDev=120376.564 /-]
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#14 CODEE: Cost item

Information	[Type= continuous] [Format=numeric] [Range= 9-114] [Missing=*]
-------------	--

Statistics [NW/ W]	[Valid=1888 /-] [Invalid=0 /-] [Mean=57.625 /-] [StdDev=30.639 /-]
--------------------	--

File File86-1 (cont.)

#14 CODEE: Cost item (cont.)

Frequency table not shown (130 Modalities)

#15 COST6: Cost (Rs)

Information [Type= continuous] [Format=numeric] [Range= 2-1309822] [Missing=*]

Statistics [NW/ W] [Valid=972 /-] [Invalid=916 /-] [Mean=107160.709 /-] [StdDev=398127.306 /-]

#16 CODEF: Cost item

Information [Type= continuous] [Format=numeric] [Range= 10-114] [Missing=*]

Statistics [NW/ W] [Valid=1888 /-] [Invalid=0 /-] [Mean=58.625 /-] [StdDev=30.639 /-]

Frequency table not shown (130 Modalities)

#17 BLANKS: Blank Field

Information [Type= continuous] [Format=numeric] [Missing=*]

Statistics [NW/ W] [Valid=0 /-] [Invalid=1888 /-]

#18 SEQ: Sequence

Information [Type= continuous] [Format=numeric] [Missing=*]

Statistics [NW/ W] [Valid=0 /-] [Invalid=1888 /-]

#19 JOB: Job code

Information [Type= continuous] [Format=numeric] [Range= 37-37] [Missing=*]

Statistics [NW/ W] [Valid=0 /-] [Invalid=1888 /-]

File File86-2

#1 RECTYPE: RecType

Information [Type= continuous] [Format=numeric] [Range= 2-2] [Missing=*]

Statistics [NW/ W] [Valid=118 /-] [Invalid=0 /-] [Mean=2 /-] [StdDev=0 /-]

File File86-2 (cont.)

#2 DISTRICT: District

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=118 /-] [Invalid=0 /-] [Mean=4.788 /-] [StdDev=2.535 /-]

#3 TYPE: Type of Rubber

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]		
Statistics [NW/ W]	[Valid=118 /-] [Invalid=0 /-] [Mean=2 /-] [StdDev=0.978 /-]		
Value	Label	Cases	Percentage
1	Sheet	56	47.5%
2	Crepe	6	5.1%
3	Latex	56	47.5%
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#4 SCHEDULE_NO: Schedule No

Information	[Type= continuous] [Format=numeric] [Range= 1-42] [Missing=*]
Statistics [NW/ W]	[Valid=118 /-] [Invalid=0 /-] [Mean=10.322 /-] [StdDev=8.28 /-]

#5 ITEM1: Item1

Information	[Type= continuous] [Format=numeric] [Range= 1-823] [Missing=*]
Statistics [NW/ W]	[Valid=89 /-] [Invalid=29 /-] [Mean=184.685 /-] [StdDev=209.998 /-]

#6 ITEM2: Item2

Information	[Type= continuous] [Format=numeric] [Range= 2-1483] [Missing=*]
Statistics [NW/ W]	[Valid=101 /-] [Invalid=17 /-] [Mean=141.554 /-] [StdDev=158.145 /-]

#7 ITEM3: Item3

Information	[Type= continuous] [Format=numeric] [Range= 1-63] [Missing=*]
Statistics [NW/ W]	[Valid=69 /-] [Invalid=49 /-] [Mean=24.812 /-] [StdDev=90.831 /-]

#8 ITEM4: Item4

Information	[Type= continuous] [Format=numeric] [Range= 1-140] [Missing=*]
Statistics [NW/ W]	[Valid=71 /-] [Invalid=47 /-] [Mean=22.887 /-] [StdDev=58.561 /-]

File File86-2 (cont.)

#9 ITEM5: Item5

Information	[Type= continuous] [Format=numeric] [Range= 1-364] [Missing=*]
Statistics [NW/ W]	[Valid=15 /-] [Invalid=103 /-] [Mean=32.667 /-] [StdDev=61.82 /-]

#10 ITEM6: Item6

Information	[Type= continuous] [Format=numeric] [Range= 1-506] [Missing=*]
Statistics [NW/ W]	[Valid=22 /-] [Invalid=96 /-] [Mean=14.364 /-] [StdDev=17.156 /-]

#11 ITEM7: Item7

Information	[Type= continuous] [Format=numeric] [Range= 1-30] [Missing=*]
Statistics [NW/ W]	[Valid=64 /-] [Invalid=54 /-] [Mean=8.156 /-] [StdDev=7.744 /-]

#12 ITEM8: Item8

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=54 /-] [Invalid=64 /-] [Mean=3.741 /-] [StdDev=2.796 /-]

#13 ITEM9: Item9

Information	[Type= continuous] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=53 /-] [Invalid=65 /-] [Mean=2.679 /-] [StdDev=1.696 /-]

#14 ITEM10: Item10

Information	[Type= continuous] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=23 /-] [Invalid=95 /-] [Mean=1.87 /-] [StdDev=1.058 /-]

#15 ITEM11: Item11

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=66 /-] [Invalid=52 /-] [Mean=4.076 /-] [StdDev=3.32 /-]

#16 ITEM12: Item12

Information	[Type= continuous] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=44 /-] [Invalid=74 /-] [Mean=2.318 /-] [StdDev=1.537 /-]

File File86-2 (cont.)

#17 BLANKS: Blank Field

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=87 /-]
Frequency table not shown (81 Modalities)	

#18 SEQ: Sequence

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=118 /-]

#19 JOB: Job code

Information	[Type= continuous] [Format=numeric] [Range= 37-37] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=118 /-]

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Technical documents

Rubber Economic Cost Survey - Instructions, "Documentation\Rubber Economic Cost Survey - Instructions.pdf"

References

Rubber Economic Cost Survey - Questionnaire, "Documentation\Rubber Economic Cost Survey - Questionnaire.pdf"

Other documents

Study Documentation of RECS86 Project, "Documentation\Study Documentation of RECS86 Project.pdf"