

Sri Lanka

Tea Commissioner

## Cost of Production of Made Tea per Kilo - 2007

Study Documentation

November 9, 2009

# Metadata Production

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Sri Lanka (2007-2008)

## Cost of Production of Made Tea per Kilo - 2007 (CPT 2007)

## Overview

Type	Administrative Records, Other (ad/oth]
Identification	LKA-STB-CPT-2007-v1.0
Version	Production Date: 2008 V1.0: Full edited dataset, for internal DPD Use

Abstract

The cost of production of tea estimates are based on a survey carried out jointly by the Department of Census and Statistics and the Tea Commissioner's Division - Sri Lanka Tea Board.

Brief History

Sri Lanka Tea Board was established on 1st January 1976 by amalgamating the Tea Control Department, Tea Export Commissioner's Department, Ceylon tea Propaganda Board and the Tea Research Institute of Sri Lanka under the Sri Lanka Tea Board law No. 14 of 1975 as amended by Act No. 17 of 1985, No. 14 of 1990, No. 29 of 2003 and No. 44 of 2006.

In the year 1994 the Tea Research Institute separated from the Sri Lanka Tea Board law and came under the Tea Research Board established under the Tea Research Board Act. No. 52 of 1993.

The Primary objectives of the Sri Lanka Tea Board under the above act are the Development of the Tea Industry in Sri Lanka, promotion of Ceylon (Sri Lanka) Tea globally, implementing Regulatory requirements of the tea industry. The major regulatory activities of the tea industry covering production, cultivating and replanting, establishment of tea factories, their operation, regulate Colombo Tea Auction, maintaining quality standards of tea, packaging and warehousing requirements etc framed both under the Sri Lanka Tea Board Law and the Tea Control Act No. 51 of 1957 and the Tea (Tax and Control of Exports) Act No. 16 of 1959.

Tea is grown in the cold climate - usually in the hill country. In Sri Lanka, Tea plantations which are called tea estates are clustered into three regions according to their elevation from mean sea level. The teas coming from estates located in the regions of the highest elevation is called High grown tea or Up-country tea which is famous as the best tea in the world. Low grown tea also grows in cold climates especially in the southern hilly region where the elevation is not as high as of the Up-country. The three kinds of teas thus produced by Sri Lanka have their own characteristics such as flavour, color, texture etc. specific to the elevation.

A tea 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 green leaf 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 teas purchased from outside estates by a factory are called Bought leaf.

The number of workers employed in a large tea estate can well exceed thousand. Some of them are resident in the estate. The activities that the workers perform are monitored on a daily basis such as plucking, pruning, fertilizing and so forth. The cost of production of made tea 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.

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.

Kind of Data	Administrative records data [adm]
Unit of Analysis	Tea factory

## Scope & Coverage

### Scope

The purpose of this operation is to determine the Cost of production of Made Tea per kilo for the year per each factory categorized into High, Mid and Low grown areas.

This scope includes :

Extent of plantation under Bearing and non-bearing by V.P and Seedling

Quantity of tea produced in factory categorized by estate leaf and bought leaf

Expenditure incurred during the year on

Replanting

Upkeep and cultivation

Green leaf

Manufacturing

General expenses

Marketing, Management and other expenses

### Geographic Coverage

National Coverage of Tea estates under the ownership of Sri Lanka State Plantations Corporation, Janatha Estate Development Board, Cooperatives, Other tea manufacturing organizations and private estates.

### Universe

This data collection operation covered all tea factories in the High grown, Mid grown and Low grown elevations in Sri Lanka.

## Producers & Sponsors

Primary Investigator(s)	Tea Commissioner, Ministry of Plantation Industries
Funding Agency/ies	Sri Lanka Tea Board (STB) , Source of funds

## Data Collection

Data Collection Dates	start 2007 end 2008
Data Collection Mode	Mail Questionnaire [mail]

### Questionnaires

The purpose of the questionnaire is to collect data pertaining to the cost of production of made tea by each

factory. Therefore the quantity of tea produced and cost incurred were important.

The quantity of tea produced depend on two figures viz green leaf produced by the estate if the factory is the property of the estate and the bought leaf supplied to the factory by the registered outside estate owners.

The extent of the tea planted in the estate is need.

Cost of production of tea includes the following costs:

weeding)	Replanting costs (uprooting, conservation of soil, planting materials and planting, fertilizer,
	Upkeep and cultivation (labour, materials/tools, transport)
	Green leaf cost (estate leaf and bought leaf)
	Manufacturing costs
	General charges (staff, admin charges, marketing and management charges)
	Quantity of tea produced by the factory

Data Collector(s)	
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### Supervision

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.

## Data Processing & Appraisal

### Data Editing

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.

Against each cost item, a unit cost column is provided in the questionnaire. This has to be computed by the estate / factory staff. The unit cost figure helps the staff to know whether the cost figures they provide are consistent.

## Accessibility

Access Authority	Director General (Department of Census and Statistics) , <a href="http://www.statistics.gov.lk">http://www.statistics.gov.lk</a> , <a href="mailto:dgcensus@slt.net.lk">dgcensus@slt.net.lk</a>
Contact(s)	Director General ( Department of Census and Statistics) , <a href="http://www.statistics.gov.lk/">http://www.statistics.gov.lk/</a> , <a href="mailto:dgcensus@slt.net.lk">dgcensus@slt.net.lk</a> Agriculture and Environment Statistics Division ( Department of Census and Statistics) , <a href="http://www.statistics.gov.lk/agriculture/index.htm">http://www.statistics.gov.lk/agriculture/index.htm</a> , <a href="mailto:agriculture@statistics.gov.lk">agriculture@statistics.gov.lk</a> Information Unit ( Department of Census and Statistics) , <a href="http://www.statistics.gov.lk/">http://www.statistics.gov.lk/</a> , <a href="mailto:information@statistics.gov.lk">information@statistics.gov.lk</a>

### Confidentiality

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.

Access Conditions

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:

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.
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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

The following rules apply to micro data released by the Department of Census and Statistics.

- 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, Cost of Production of Made Tea per Kilo - 2007 [CPT2007], Version 1.0 of the internal use dataset August 2009, provided by the National Data Archive, Data Processing Division, [www.statistics.gov.lk](http://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 1 file(s)

CPT07	
# Cases	51
# Variable(s)	76

# Variables List

Dataset contains 76 variable(s)

File CPT07							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	<a href="#">V1</a>	Elevation	discrete	numeric-1.0	51	0	-
2	<a href="#">V2</a>	Schedule No	continuous	numeric-3.0	51	0	-
3	<a href="#">V3</a>	Extent in Bearing - V.P.	discrete	character-9	26	0	-
4	<a href="#">V4</a>	Extent not in Bearing - V.P.	discrete	character-9	12	0	-
5	<a href="#">V5</a>	Extent in Bearing - Seedling	discrete	character-9	21	0	-
6	<a href="#">V6</a>	Extent not in Bearing - Seedling	discrete	character-9	10	0	-
7	<a href="#">V7</a>	Qty of Tea Produced in factory from estate leaf	continuous	numeric-9.0	33	18	-
8	<a href="#">V8</a>	Qty of Tea Produced in factory from bought leaf	continuous	numeric-9.0	46	5	-
9	<a href="#">V9</a>	Uprooting area (in Hectares)	discrete	character-9	1	0	-
10	<a href="#">V10</a>	Planting area (in Hectares)	discrete	character-9	1	0	-
11	<a href="#">V11</a>	Fertilized area (in Hectares)	continuous	numeric-9.0	0	51	-
12	<a href="#">V12</a>	Weeding area (in Hectares)	continuous	numeric-9.0	0	51	-
13	<a href="#">V13</a>	Uprooting Cost	continuous	numeric-9.0	0	51	-
14	<a href="#">V14</a>	Planting Cost	continuous	numeric-9.0	0	51	-
15	<a href="#">V15</a>	Fertilizer Cost	continuous	numeric-9.0	0	51	-
16	<a href="#">V16</a>	Weeding Cost	continuous	numeric-9.0	0	51	-
17	<a href="#">V17</a>	Labour/Weeding, upkeep of fences, establish	continuous	numeric-9.0	31	20	-
18	<a href="#">V18</a>	Labour/Control of pests and diseases	continuous	numeric-9.0	25	26	-
19	<a href="#">V19</a>	Labour/Manuring	continuous	numeric-9.0	23	28	-
20	<a href="#">V20</a>	Labour/Plucking	continuous	numeric-9.0	32	19	-
21	<a href="#">V21</a>	Labour/Pruning	continuous	numeric-9.0	32	19	-
22	<a href="#">V22</a>	Labour/Supply of vacancies	continuous	numeric-9.0	21	30	-
23	<a href="#">V23</a>	Labour/Terracing and draining	continuous	numeric-9.0	29	22	-
24	<a href="#">V24</a>	Labour/Field watchers	continuous	numeric-9.0	31	20	-
25	<a href="#">V25</a>	Labour/Miscellaneous	continuous	numeric-9.0	20	31	-
26	<a href="#">V26</a>	Materials,tools/Fixing barbed wires, posts	continuous	numeric-9.0	4	47	-

# Cost of Production of Made Tea per Kilo - 2007 - Variables List

File CPT07 (cont.)							
#	Name	Label	Type	Format	Valid	Invalid	Question
27	<a href="#">V27</a>	Materials, tools/Control of pests and diseases	continuous	numeric-9.0	15	36	-
28	<a href="#">V28</a>	Materials, tools/Fertilizer	continuous	numeric-9.0	32	19	-
29	<a href="#">V29</a>	Materials, tools/Other	continuous	numeric-9.0	27	24	-
30	<a href="#">V30</a>	Transport (prod & suprvsn)/Wages of drivers and cleaners	continuous	numeric-9.0	34	17	-
31	<a href="#">V31</a>	Transport(prod & suprvsn)/Repairs to vehicles	continuous	numeric-9.0	37	14	-
32	<a href="#">V32</a>	Transport(prod & suprvsn)/Fuel	continuous	numeric-9.0	34	17	-
33	<a href="#">V33</a>	Cost of Green Leaf/Estate leaf	continuous	numeric-9.0	25	26	-
34	<a href="#">V34</a>	Cost of Green leaf/Bought leaf	continuous	numeric-9.0	41	10	-
35	<a href="#">V35</a>	Manuf costs/Factory labour	continuous	numeric-9.0	50	1	-
36	<a href="#">V36</a>	Manuf costs/Fuel for engines	continuous	numeric-9.0	29	22	-
37	<a href="#">V37</a>	Manuf costs/Oil for driers	continuous	numeric-9.0	19	32	-
38	<a href="#">V38</a>	Manuf costs/Firewood for driers	continuous	numeric-9.0	38	13	-
39	<a href="#">V39</a>	Manuf costs/Electricity	continuous	numeric-9.0	49	2	-
40	<a href="#">V40</a>	Manuf costs/Machinery upkeep	continuous	numeric-9.0	50	1	-
41	<a href="#">V41</a>	Manuf costs/Factory Bldg upkeep	continuous	numeric-9.0	48	3	-
42	<a href="#">V42</a>	Manuf costs/Packing materials	continuous	numeric-9.0	50	1	-
43	<a href="#">V43</a>	Manuf costs/Factory sundries	continuous	numeric-9.0	50	1	-
44	<a href="#">V44</a>	General chgs - sup staff/salaries	continuous	numeric-9.0	40	11	-
45	<a href="#">V45</a>	General chgs - sup staff/visiting chgs	continuous	numeric-9.0	14	37	-
46	<a href="#">V46</a>	General chgs - labour/holiday wages	continuous	numeric-9.0	48	3	-
47	<a href="#">V47</a>	General chgs - labour/feeding, schooling	continuous	numeric-9.0	18	33	-
48	<a href="#">V48</a>	General chgs- labour/Concessionary grants	continuous	numeric-9.0	46	5	-
49	<a href="#">V49</a>	General chgs- labour/Sanitary, medical, maternity	continuous	numeric-9.0	48	3	-

# Cost of Production of Made Tea per Kilo - 2007 - Variables List

File CPT07 (cont.)							
#	Name	Label	Type	Format	Valid	Invalid	Question
50	<a href="#">V50</a>	General chgs-labour/Contribution to EPF	continuous	numeric-9.0	32	19	-
51	<a href="#">V51</a>	General chgs - upkeep/bunglows, roads, bldgs, lines	continuous	numeric-9.0	49	2	-
52	<a href="#">V52</a>	General chgs - upkeep/Interest	continuous	numeric-9.0	35	16	-
53	<a href="#">V53</a>	General chgs - upkeep/Insurance	continuous	numeric-9.0	48	3	-
54	<a href="#">V54</a>	General chgs - upkeep/Depreciation	continuous	numeric-9.0	41	10	-
55	<a href="#">V55</a>	General chgs - upkeep/Bank chgs, commissions	continuous	numeric-9.0	49	2	-
56	<a href="#">V56</a>	General chgs - upkeep/Other cpxenses	continuous	numeric-9.0	22	29	-
57	<a href="#">V57</a>	General chgs - Office & other/Stationery, postage, phone, subscrptns	continuous	numeric-9.0	49	2	-
58	<a href="#">V58</a>	General chgs - Office & other/Auditor's fees	continuous	numeric-9.0	43	8	-
59	<a href="#">V59</a>	General chgs - Office & other/Rent	continuous	numeric-9.0	14	37	-
60	<a href="#">V60</a>	General chgs - Office & other/Acrage fees, local taxes	continuous	numeric-9.0	21	30	-
61	<a href="#">V61</a>	General chgs - Office & other/Salaries , wages	continuous	numeric-9.0	32	19	-
62	<a href="#">V62</a>	General chgs - Office & other/Other general exp	continuous	numeric-9.0	27	24	-
63	<a href="#">V63</a>	General chgs - Marketing, Mgt and other/Transport to Col auction or port of shipping	continuous	numeric-9.0	46	5	-
64	<a href="#">V64</a>	General chgs - Marketing, Mgt and other/ Storage and handling	continuous	numeric-9.0	20	31	-
65	<a href="#">V65</a>	General chgs - Marketing, Mgt and other/Brokerage	continuous	numeric-9.0	22	29	-
66	<a href="#">V66</a>	General chgs - Marketing, Mgt and other/Head office costs	continuous	numeric-9.0	26	25	-
67	<a href="#">V67</a>	General chgs - Marketing, Mgt and other/Salaries & wages	continuous	numeric-9.0	8	43	-
68	<a href="#">V68</a>	General chgs - Marketing, Mgt and other/Any other expenses	continuous	numeric-9.0	18	33	-

Cost of Production of Made Tea per Kilo - 2007 - Variables List

File CPT07 (cont.)							
#	Name	Label	Type	Format	Valid	Invalid	Question
69	<a href="#">V69</a>	Cost of Production	continuous	numeric-9.2	49	2	-
70	<a href="#">V70</a>	Net Sale average	continuous	numeric-9.2	50	1	-
71	<a href="#">V71</a>	V71	continuous	numeric-9.0	0	51	-
72	<a href="#">V72</a>	V72	continuous	numeric-9.0	0	51	-
73	<a href="#">V73</a>	V73	continuous	numeric-9.0	0	51	-
74	<a href="#">V74</a>	V74	continuous	numeric-9.0	0	51	-
75	<a href="#">V75</a>	V75	continuous	numeric-9.0	0	51	-
76	<a href="#">V76</a>	V76	continuous	numeric-9.0	0	51	-

# Variables Description

Dataset contains 76 variable(s)

File CPT07

## #1 V1: Elevation

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]		
Statistics [NW/ W]	[Valid=51 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
1		15	29.4%
2		11	21.6%
3		25	49.0%

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.

## #2 V2: Schedule No

Information	[Type= continuous] [Format=numeric] [Range= 1-50] [Missing=*]
Statistics [NW/ W]	[Valid=51 /-] [Invalid=0 /-] [Mean=25.02 /-] [StdDev=14.833 /-]

## #3 V3: Extent in Bearing - V.P.

Information	[Type= discrete] [Format=character] [Missing=*]		
Statistics [NW/ W]	[Valid=26 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
0.00		1	3.8%
100.34		1	3.8%
124.25		1	3.8%
13.35		1	3.8%
133.51		1	3.8%
138.20		1	3.8%
176.00		1	3.8%
180.25		1	3.8%
186.50		1	3.8%
196.00		1	3.8%
210.15		1	3.8%
225.71		1	3.8%
227.40		1	3.8%
26.40		1	3.8%
291.81		1	3.8%
302.74		1	3.8%
47.50		1	3.8%
51.05		1	3.8%
56.94		1	3.8%

# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #3 V3: Extent in Bearing - V.P. (cont.)

Value (cont.)	Label	Cases	Percentage
58.00		1	3.8%
7.81		1	3.8%
80.89		1	3.8%
81.00		1	3.8%
84.44		1	3.8%
86.35		1	3.8%
96.50		1	3.8%

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 V4: Extent not in Bearing - V.P.

Information	[Type= discrete] [Format=character] [Missing=*]		
Statistics [NW/ W]	[Valid=12 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
0.00		3	25.0%
118.51		1	8.3%
145.68		1	8.3%
192.20		1	8.3%
201.75		1	8.3%
259.86		1	8.3%
265.05		1	8.3%
326.00		1	8.3%
4.00		1	8.3%
84.75		1	8.3%

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.

### #5 V5: Extent in Bearing - Seedling

Information	[Type= discrete] [Format=character] [Missing=*]		
Statistics [NW/ W]	[Valid=21 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
0.00		1	4.8%
120.95		1	4.8%
130.25		1	4.8%
173.64		1	4.8%
19.82		1	4.8%
192.58		1	4.8%
20.64		1	4.8%
209.75		1	4.8%



# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #5 V5: Extent in Bearing - Seedling (cont.)

Value (cont.)	Label	Cases	Percentage
211.10		1	4.8%
224.00		1	4.8%
243.30		1	4.8%
244.00		1	4.8%
309.77		1	4.8%
402.00		1	4.8%
42.49		1	4.8%
453.50		1	4.8%
493.50		1	4.8%
6.06		1	4.8%
89.00		1	4.8%
92.50		1	4.8%
92.99		1	4.8%

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.

### #6 V6: Extent not in Bearing - Seedling

Information	[Type= discrete] [Format=character] [Missing=*]		
Statistics [NW/ W]	[Valid=10 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
0.00		2	20.0%
109.70		1	10.0%
111.75		1	10.0%
151.25		1	10.0%
19.00		1	10.0%
221.10		1	10.0%
268.80		1	10.0%
35.50		1	10.0%
397.75		1	10.0%

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.

### #7 V7: Qty of Tea Produced in factory from estate leaf

Information	[Type= continuous] [Format=numeric] [Range= 10900-3344445] [Missing=*]
Statistics [NW/ W]	[Valid=33 /-] [Invalid=18 /-] [Mean=457118.727 /-] [StdDev=575023.404 /-]

### #8 V8: Qty of Tea Produced in factory from bought leaf

Information	[Type= continuous] [Format=numeric] [Range= 686-1550305] [Missing=*]
-------------	--

**File CPT07** (cont.)

**#8 V8: Qty of Tea Produced in factory from bought leaf** (cont.)

Statistics [NW/ W]	[Valid=46 /-] [Invalid=5 /-] [Mean=323908.913 /-] [StdDev=299203.601 /-]
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**#9 V9: Uprooting area (in Hectares)**

Information	[Type= discrete] [Format=character] [Missing=*]
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Statistics [NW/ W]	[Valid=1 /-] [Invalid=0 /-]
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Value	Label	Cases	Percentage
0.00		1	100.0%

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.

**#10 V10: Planting area (in Hectares)**

Information	[Type= discrete] [Format=character] [Missing=*]
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Statistics [NW/ W]	[Valid=1 /-] [Invalid=0 /-]
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Value	Label	Cases	Percentage
0.00		1	100.0%

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.

**#11 V11: Fertilized area (in Hectares)**

Information	[Type= continuous] [Format=numeric] [Missing=*]
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Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]
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**#12 V12: Weeding area (in Hectares)**

Information	[Type= continuous] [Format=numeric] [Missing=*]
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Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]
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**#13 V13: Uprooting Cost**

Information	[Type= continuous] [Format=numeric] [Missing=*]
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Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]
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**#14 V14: Planting Cost**

Information	[Type= continuous] [Format=numeric] [Missing=*]
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Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]
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# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #15 V15: Fertilizer Cost

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

### #16 V16: Weeding Cost

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

### #17 V17: Labour/Weeding, upkeep of fences, establish

Information	[Type= continuous] [Format=numeric] [Range= 37972-4310540] [Missing=*]
Statistics [NW/ W]	[Valid=31 /-] [Invalid=20 /-] [Mean=1820254.516 /-] [StdDev=1089459.36 /-]

### #18 V18: Labour/Control of pests and diseases

Information	[Type= continuous] [Format=numeric] [Range= 290-1326667] [Missing=*]
Statistics [NW/ W]	[Valid=25 /-] [Invalid=26 /-] [Mean=186864.92 /-] [StdDev=288940.209 /-]

### #19 V19: Labour/Manuring

Information	[Type= continuous] [Format=numeric] [Range= 6464-28164000] [Missing=*]
Statistics [NW/ W]	[Valid=23 /-] [Invalid=28 /-] [Mean=6096414.783 /-] [StdDev=7978985.307 /-]

### #20 V20: Labour/Plucking

Information	[Type= continuous] [Format=numeric] [Range= 509632-54417474] [Missing=*]
Statistics [NW/ W]	[Valid=32 /-] [Invalid=19 /-] [Mean=23982305.281 /-] [StdDev=17369299.484 /-]

### #21 V21: Labour/Pruning

Information	[Type= continuous] [Format=numeric] [Range= 11375-2839159] [Missing=*]
Statistics [NW/ W]	[Valid=32 /-] [Invalid=19 /-] [Mean=689043.5 /-] [StdDev=559737.085 /-]

### #22 V22: Labour/Supply of vacancies

Information	[Type= continuous] [Format=numeric] [Range= 0-739443] [Missing=*]
Statistics [NW/ W]	[Valid=21 /-] [Invalid=30 /-] [Mean=166325.238 /-] [StdDev=211420.006 /-]

# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #23 V23: Labour/Terracing and draining

Information	[Type= continuous] [Format=numeric] [Range= 4812-602524] [Missing=*]
Statistics [NW/ W]	[Valid=29 /-] [Invalid=22 /-] [Mean=169276.069 /-] [StdDev=183301.998 /-]

### #24 V24: Labour/Field watchers

Information	[Type= continuous] [Format=numeric] [Range= 54450-2800605] [Missing=*]
Statistics [NW/ W]	[Valid=31 /-] [Invalid=20 /-] [Mean=652677.032 /-] [StdDev=520842.171 /-]

### #25 V25: Labour/Miscellaneous

Information	[Type= continuous] [Format=numeric] [Range= 55474-74449000] [Missing=*]
Statistics [NW/ W]	[Valid=20 /-] [Invalid=31 /-] [Mean=9389035.2 /-] [StdDev=19422273.274 /-]

### #26 V26: Materials,tools/Fixing barbed wires, posts

Information	[Type= continuous] [Format=numeric] [Range= 1000-75494] [Missing=*]
Statistics [NW/ W]	[Valid=4 /-] [Invalid=47 /-] [Mean=37795 /-] [StdDev=31437.546 /-]

### #27 V27: Materials, tools/Control of pests and diseases

Information	[Type= continuous] [Format=numeric] [Range= 700-1180037] [Missing=*]
Statistics [NW/ W]	[Valid=15 /-] [Invalid=36 /-] [Mean=251187.467 /-] [StdDev=305874.401 /-]

### #28 V28: Materials, tools/Fertilizer

Information	[Type= continuous] [Format=numeric] [Range= 70000-12781720] [Missing=*]
Statistics [NW/ W]	[Valid=32 /-] [Invalid=19 /-] [Mean=4372496.781 /-] [StdDev=3329227.389 /-]

### #29 V29: Materials, tools/Other

Information	[Type= continuous] [Format=numeric] [Range= 1565-1923987] [Missing=*]
Statistics [NW/ W]	[Valid=27 /-] [Invalid=24 /-] [Mean=223290.741 /-] [StdDev=439254.807 /-]

### #30 V30: Transport (prod & suprvsn)/Wages of drivers and cleaners

Information	[Type= continuous] [Format=numeric] [Range= 82800-4110455] [Missing=*]
Statistics [NW/ W]	[Valid=34 /-] [Invalid=17 /-] [Mean=877468.588 /-] [StdDev=803276.672 /-]

# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #31 V31: Transport(prod & suprvsn)/Repairs to vehicles

Information	[Type= continuous] [Format=numeric] [Range= 58899-1745860] [Missing=*]
Statistics [NW/ W]	[Valid=37 -] [Invalid=14 -] [Mean=610780.081 -] [StdDev=457491.871 -]

### #32 V32: Transport(prod & suprvsn)/Fuel

Information	[Type= continuous] [Format=numeric] [Range= 961-4100402] [Missing=*]
Statistics [NW/ W]	[Valid=34 -] [Invalid=17 -] [Mean=973536.412 -] [StdDev=835691.188 -]

### #33 V33: Cost of Green Leaf/Estate leaf

Information	[Type= continuous] [Format=numeric] [Range= 0-172342854] [Missing=*]
Statistics [NW/ W]	[Valid=25 -] [Invalid=26 -] [Mean=48869311.64 -] [StdDev=48823835.324 -]

### #34 V34: Cost of Green leaf/Bought leaf

Information	[Type= continuous] [Format=numeric] [Range= 76525-120637244] [Missing=*]
Statistics [NW/ W]	[Valid=41 -] [Invalid=10 -] [Mean=42676330.976 -] [StdDev=33171254.206 -]

### #35 V35: Manuf costs/Factory labour

Information	[Type= continuous] [Format=numeric] [Range= 296545-18491765] [Missing=*]
Statistics [NW/ W]	[Valid=50 -] [Invalid=1 -] [Mean=4393714.88 -] [StdDev=3122390.923 -]

### #36 V36: Manuf costs/Fuel for engines

Information	[Type= continuous] [Format=numeric] [Range= 55800-6204223] [Missing=*]
Statistics [NW/ W]	[Valid=29 -] [Invalid=22 -] [Mean=823957.655 -] [StdDev=1488049.399 -]

### #37 V37: Manuf costs/Oil for driers

Information	[Type= continuous] [Format=numeric] [Range= 0-15611964] [Missing=*]
Statistics [NW/ W]	[Valid=19 -] [Invalid=32 -] [Mean=5869301.316 -] [StdDev=5444853.941 -]

### #38 V38: Manuf costs/Firewood for driers

Information	[Type= continuous] [Format=numeric] [Range= 56690-14740939] [Missing=*]
Statistics [NW/ W]	[Valid=38 -] [Invalid=13 -] [Mean=2417119.553 -] [StdDev=2579628.81 -]

**File CPT07** (cont.)

**#39 V39: Manuf costs/Electricity**

Information	[Type= continuous] [Format=numeric] [Range= 212551-10339759] [Missing=*]
Statistics [NW/ W]	[Valid=49 /-] [Invalid=2 /-] [Mean=4100697.388 /-] [StdDev=2361709.676 /-]

**#40 V40: Manuf costs/Machinery upkeep**

Information	[Type= continuous] [Format=numeric] [Range= 22604-3676268] [Missing=*]
Statistics [NW/ W]	[Valid=50 /-] [Invalid=1 /-] [Mean=1124225.1 /-] [StdDev=848739.612 /-]

**#41 V41: Manuf costs/Factory Bldg upkeep**

Information	[Type= continuous] [Format=numeric] [Range= 3040-3127696] [Missing=*]
Statistics [NW/ W]	[Valid=48 /-] [Invalid=3 /-] [Mean=658097.146 /-] [StdDev=752991.883 /-]

**#42 V42: Manuf costs/Packing materials**

Information	[Type= continuous] [Format=numeric] [Range= 36448-2969885] [Missing=*]
Statistics [NW/ W]	[Valid=50 /-] [Invalid=1 /-] [Mean=951873.22 /-] [StdDev=576360.592 /-]

**#43 V43: Manuf costs/Factory sundries**

Information	[Type= continuous] [Format=numeric] [Range= 2703-8644426] [Missing=*]
Statistics [NW/ W]	[Valid=50 /-] [Invalid=1 /-] [Mean=682946.04 /-] [StdDev=1640823.974 /-]

**#44 V44: General chgs - sup staff/salaries**

Information	[Type= continuous] [Format=numeric] [Range= 136333-21589600] [Missing=*]
Statistics [NW/ W]	[Valid=40 /-] [Invalid=11 /-] [Mean=3923546.075 /-] [StdDev=4816887.853 /-]

**#45 V45: General chgs - sup staff/visiting chgs**

Information	[Type= continuous] [Format=numeric] [Range= 9722-828619] [Missing=*]
Statistics [NW/ W]	[Valid=14 /-] [Invalid=37 /-] [Mean=265982.571 /-] [StdDev=271677.287 /-]

**#46 V46: General chgs - labour/holiday wages**

Information	[Type= continuous] [Format=numeric] [Range= 20520-4394000] [Missing=*]
Statistics [NW/ W]	[Valid=48 /-] [Invalid=3 /-] [Mean=1410707.979 /-] [StdDev=1392869.534 /-]

**File CPT07** (cont.)

**#47 V47: General chgs - labour/feeding, schooling**

Information	[Type= continuous] [Format=numeric] [Range= 931-9949650] [Missing=*]
Statistics [NW/ W]	[Valid=18 /-] [Invalid=33 /-] [Mean=977285.778 /-] [StdDev=2310340.666 /-]

**#48 V48: General chgs- labour/Concessionary grants**

Information	[Type= continuous] [Format=numeric] [Range= 31114-4774656] [Missing=*]
Statistics [NW/ W]	[Valid=46 /-] [Invalid=5 /-] [Mean=837064.413 /-] [StdDev=1095944.095 /-]

**#49 V49: General chgs- labour/Sanitary, medical, maternity**

Information	[Type= continuous] [Format=numeric] [Range= 1296-3837387] [Missing=*]
Statistics [NW/ W]	[Valid=48 /-] [Invalid=3 /-] [Mean=981147.896 /-] [StdDev=1090251.231 /-]

**#50 V50: General chgs- labour/Contribution to EPF**

Information	[Type= continuous] [Format=numeric] [Range= 0-9812982] [Missing=*]
Statistics [NW/ W]	[Valid=32 /-] [Invalid=19 /-] [Mean=2454549.469 /-] [StdDev=3066006.679 /-]

**#51 V51: General chgs - upkeep/bunglows, roads, bldgs, lines**

Information	[Type= continuous] [Format=numeric] [Range= 36530-6837485] [Missing=*]
Statistics [NW/ W]	[Valid=49 /-] [Invalid=2 /-] [Mean=1457912.673 /-] [StdDev=1462601.742 /-]

**#52 V52: General chgs - upkeep/Interest**

Information	[Type= continuous] [Format=numeric] [Range= 12000-11875720] [Missing=*]
Statistics [NW/ W]	[Valid=35 /-] [Invalid=16 /-] [Mean=3079454.886 /-] [StdDev=3102983.062 /-]

**#53 V53: General chgs - upkeep/Insurance**

Information	[Type= continuous] [Format=numeric] [Range= 24244-1520881] [Missing=*]
Statistics [NW/ W]	[Valid=48 /-] [Invalid=3 /-] [Mean=376051.25 /-] [StdDev=304385.235 /-]

**#54 V54: General chgs - upkeep/Depreciation**

Information	[Type= continuous] [Format=numeric] [Range= 204179-12669781] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-] [Invalid=10 /-] [Mean=3607085.317 /-] [StdDev=2734702.795 /-]

# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #55 V55: General chgs - upkeep/Bank chgs, commissions

Information	[Type= continuous] [Format=numeric] [Range= 12000-3903176] [Missing=*]
Statistics [NW/ W]	[Valid=49 /-] [Invalid=2 /-] [Mean=411721.878 /-] [StdDev=710684.355 /-]

### #56 V56: General chgs - upkeep/Other expenses

Information	[Type= continuous] [Format=numeric] [Range= 4203-7618152] [Missing=*]
Statistics [NW/ W]	[Valid=22 /-] [Invalid=29 /-] [Mean=1775755.409 /-] [StdDev=2621203.846 /-]

### #57 V57: General chgs - Office & other/Stationery, postage, phone, subscrptns

Information	[Type= continuous] [Format=numeric] [Range= 55033-1250591] [Missing=*]
Statistics [NW/ W]	[Valid=49 /-] [Invalid=2 /-] [Mean=450244.796 /-] [StdDev=274947.169 /-]

### #58 V58: General chgs - Office & other/Auditor's fees

Information	[Type= continuous] [Format=numeric] [Range= 10000-219481] [Missing=*]
Statistics [NW/ W]	[Valid=43 /-] [Invalid=8 /-] [Mean=67427.256 /-] [StdDev=45289.606 /-]

### #59 V59: General chgs - Office & other/Rent

Information	[Type= continuous] [Format=numeric] [Range= 0-4242828] [Missing=*]
Statistics [NW/ W]	[Valid=14 /-] [Invalid=37 /-] [Mean=1071892.929 /-] [StdDev=1293539.427 /-]

### #60 V60: General chgs - Office & other/Acrage fees, local taxes

Information	[Type= continuous] [Format=numeric] [Range= 0-289078] [Missing=*]
Statistics [NW/ W]	[Valid=21 /-] [Invalid=30 /-] [Mean=62951.619 /-] [StdDev=89809.071 /-]

### #61 V61: General chgs - Office & other/Salaries , wages

Information	[Type= continuous] [Format=numeric] [Range= 0-23458410] [Missing=*]
Statistics [NW/ W]	[Valid=32 /-] [Invalid=19 /-] [Mean=2288273.563 /-] [StdDev=4133351.347 /-]

### #62 V62: General chgs - Office & other/Other general exp

Information	[Type= continuous] [Format=numeric] [Range= 18728-20200176] [Missing=*]
Statistics [NW/ W]	[Valid=27 /-] [Invalid=24 /-] [Mean=3259702.704 /-] [StdDev=5741485.09 /-]



# Cost of Production of Made Tea per Kilo - 2007 - Variables Description

## File CPT07 (cont.)

### #63 V63: General chgs - Marketing, Mgt and other/Transport to Col auction or port of shipping

Information	[Type= continuous] [Format=numeric] [Range= 53486-2594500] [Missing=*]
Statistics [NW/ W]	[Valid=46 -] [Invalid=5 -] [Mean=857350.935 -] [StdDev=553610.794 -]

### #64 V64: General chgs - Marketing, Mgt and other/ Storage and handling

Information	[Type= continuous] [Format=numeric] [Range= 122472-2764017] [Missing=*]
Statistics [NW/ W]	[Valid=20 -] [Invalid=31 -] [Mean=923032.15 -] [StdDev=754420.821 -]

### #65 V65: General chgs - Marketing, Mgt and other/Brokerage

Information	[Type= continuous] [Format=numeric] [Range= 0-2968735] [Missing=*]
Statistics [NW/ W]	[Valid=22 -] [Invalid=29 -] [Mean=1588287.182 -] [StdDev=862796.212 -]

### #66 V66: General chgs - Marketing, Mgt and other/Head office costs

Information	[Type= continuous] [Format=numeric] [Range= 292034-17327999] [Missing=*]
Statistics [NW/ W]	[Valid=26 -] [Invalid=25 -] [Mean=4765392.346 -] [StdDev=4074375.322 -]

### #67 V67: General chgs - Marketing, Mgt and other/Salaries & wages

Information	[Type= continuous] [Format=numeric] [Range= 155792-1134626] [Missing=*]
Statistics [NW/ W]	[Valid=8 -] [Invalid=43 -] [Mean=632113.75 -] [StdDev=399509.447 -]

### #68 V68: General chgs - Marketing, Mgt and other/Any other expenses

Information	[Type= continuous] [Format=numeric] [Range= 0-9404816] [Missing=*]
Statistics [NW/ W]	[Valid=18 -] [Invalid=33 -] [Mean=1468785.722 -] [StdDev=2581379.044 -]

### #69 V69: Cost of Production

Information	[Type= continuous] [Format=numeric] [Range= 106.83-297.45] [Missing=*]
Statistics [NW/ W]	[Valid=49 -] [Invalid=2 -] [Mean=215.627 -] [StdDev=30.018 -]

### #70 V70: Net Sale average

Information	[Type= continuous] [Format=numeric] [Range= 141.7-358.99] [Missing=*]
Statistics [NW/ W]	[Valid=50 -] [Invalid=1 -] [Mean=217.699 -] [StdDev=33.805 -]

## File CPT07 (cont.)

## #71 V71: V71

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

## #72 V72: V72

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

## #73 V73: V73

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

## #74 V74: V74

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

## #75 V75: V75

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

## #76 V76: V76

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=51 /-]

## Documentation

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<a href="#">Other documents.....</a>	<a href="#">23</a>
<a href="#">Study Documentation of CPT07 Project.....</a>	<a href="#">23</a>

## References

Cost of Production of Made Tea per Kilo - Questionnaire, "Documentation\CC4.pdf"

## Other documents

Study Documentation of CPT07 Project, "Documentation\Study Documentation of CPT07 Project.pdf"