

# Sri Lanka - Annual Employment Survey - 2010

**Statistics Division, Department of Labour - Ministry of Labour Relations and  
Manpower**

Report generated on: October 1, 2013

Visit our data catalog at: <http://statistics.sltidc.lk/index.php>

## Overview

### Identification

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**ID NUMBER**

LKA-DOL-EMS-2010-v1.0

### Version

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**VERSION DESCRIPTION**

v1.0: Full edited dataset, original version for internal DPD use.

**PRODUCTION DATE**

2008-06-11

### Overview

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**ABSTRACT**

The Annual Employment Survey of Sri Lanka conducted by the Department of Labour has been designed to measure the levels and trends of the private sector and semi-government sector employment of the country over a period of time.

The main objective of the survey is to collect employment related information in the organised sector establishments of the country

**KIND OF DATA**

Sample survey data [ssd]

**UNITS OF ANALYSIS**

The survey covers establishments in both Public and Private sectors

### Scope

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**NOTES**

The scope of EMS 2010 includes the following key sections:-

Establishment particulars

- Name of establishment
- Location and full address
- Telephone number
- District of assistant commissioner of labour
- Revenue district
- DS division
- MC/UC area
- Telephone number and address of head office
- Nature of economic activity

Classification of employees (Sri Lankan and Non Sri Lankan employees)

- Number of permanent employees
- Number of temporary employees
- Number of casual employees
- Number of learners and apprentices

#### Details of occupational categories

- Number of men and women in administrative & managerial category (Adults/Under 18 years)
- Number of men and women in professional/technical and related category (Adults/Under 18 years)
- Number of men and women in clerical and related category (Adults/Under 18 years)
- Number of men and women in sales workers category (Adults/Under 18 years)
- Number of men and women in supervisor and foremen category (Adults/Under 18 years)
- Number of men and women in skilled and semi-skilled category (Adults/Under 18 years)
- Number of men and women in unskilled category (Adults/Under 18 years)

#### TOPICS

Topic	Vocabulary	URI
employment [3.1]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
labour relations/conflict [3.3]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>

## Coverage

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#### GEOGRAPHIC COVERAGE

National coverage

Although this is a national level survey, coverage of Northern and Eastern provinces was not at a sufficient level of response due to the prevailing situation in this area.

The coverage was also limited because of the fact that there was no complete list of establishments for the whole country at the time of the survey.

#### UNIVERSE

The survey covered establishments with five or more paid employees in private sector and also semi-government institutions in public sector.

## Producers and Sponsors

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#### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Statistics Division, Department of Labour	Ministry of Labour Relations and Manpower

#### FUNDING

Name	Abbreviation	Role
Government of Sri Lanka	GOSL	

## Metadata Production

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**METADATA PRODUCED BY**

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
Department of Labour	DOL	Ministry of Labour Relations and Manpower	Data Collection

**DATE OF METADATA PRODUCTION**

2008-06-11

**DDI DOCUMENT VERSION**

Version 1.0 ( June 2008 ).

**DDI DOCUMENT ID**

DDI-LKA-DOL-EMS-2010-v1.0

# Sampling

## Sampling Procedure

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A complete list of establishments ( survey frame ) was available at the time of the first survey started in 1971. This list was compiled along with the list of buildings in the country prepared for the Census of Population and Housing 1971. There were about 22,500 establishments with 5 or more paid employees and thereafter this survey frame was updated annually, taking new registrations from the Employees Provident Fund lists.

Construction of indices:

Index numbers of employment are calculated with 1971 as the base year, and using the link relative method. Indices are computed for each major industry division,

Weighting of sample results:

The employment estimates are not weighted

Adjustments:

Non response : there are no adjustments for non response

Other bias : no adjustments have been made for any other bias.

Use of bench mark data : none

Seasonal variations : not relevant

Indicators of reliability of the estimates :

Coverage of the sampling frame : coverage is limited, as there is no complete list of establishments for the whole country.

Sampling error/Sampling variance : not relevant

Non response rate :

Non sampling errors : the main known source of bias is the limited coverage of the survey due to the lack of a complete list of establishments for the whole country

## Deviations from Sample Design

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The coverage of the survey was badly affected due to the limiting factors such as the non availability of a complete list of establishments for the whole country and the nature of the method of data collection (postal survey method).

## Response Rate

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66.1% of the establishments responded.

# Questionnaires

## Overview

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The questionnaire used in the Annual Employment Survey consists of three parts.

They are :

1. Establishment particulars
2. Classification of employees
3. Occupational category

The questionnaire was printed in Sinhala, Tamil and English.

## Data Collection

### Data Collection Dates

Start	End	Cycle
2010-07-01	2010-07-31	N/A

### Data Collection Mode

Mail Questionnaire [mail]

#### DATA COLLECTION NOTES

1. Schedules were posted in the months of July/August.
2. Reminders were sent to the non-responding establishments in September
3. Parallel to the postal questionnaire, DCS officers visited the non-responding institutions to collect data.
4. The data collection procedure continued till December.

#### SUPERVISION

Two Statistical officers were engaged in the supervision activities pertaining to sending and receiving the questionnaires, coding and tabulation of data.

# Data Processing

## Data Editing

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An edit program was run to edit the raw data files.

Depending on the absence or presence of errors, the records in the raw data file were separated into an error free file and a rejects file respectively. From the rejects file, a error report was generated indicating the reason for rejection of each record. The errors were checked and manually corrected on the report by referring to the questionnaire. Based on the corrected report, error records were updated by data entry operators.

The edit program was run again to edit the rejects file and the error free records were added to the error free file. If the rejects file was not empty the edit process was repeated.

## Other Processing

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The whole Data processing cycle consists of the following steps.

1. Accepting the filled questionnaires
2. Do a visual check for completeness
3. Preliminary editing and coding
4. Entry of data
  
5. Editing - Run edit program
6. Editing - Produce error report and return to the Statistical Division of the Labour Department.
7. Editing - Correction of errors on the edit printout.
8. Editing - Change incorrect data using the corrected error printout
9. Editing - Re-run the edit program and repeat the error correction procedure
  
10. Consolidation of edited data files to prepare the Master file and re-coding of variables needed for analysis.
11. Produce final tables specified by the Statistical Division of the Labour Department..



## Data Appraisal

No content available

# File Description

# Variable List

**EMS 2010**

Content	
Cases	5466
Variable(s)	46
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V98	SRNUM	Serial Number	contin	numeric	
V99	SEC	Sector	discrete	numeric	
V100	DIST	District	contin	numeric	
V101	DSARA	District Area	contin	numeric	
V102	INDU	Industry	contin	numeric	
V103	CORP	Cooperation	contin	numeric	
V104	XX	XX	discrete	numeric	
V105	SPER	Permanent Sri Lankan	contin	numeric	
V106	STEMP	Temporary Sri Lankan	contin	numeric	
V107	SCASUAL	Casual Sri Lankan	contin	numeric	
V108	SLEARN	Learners and Apprentices Sri Lankan	contin	numeric	
V109	NSPER	Permanent Non Sri Lankan	contin	numeric	
V110	NSTEMP	Temporary Non Sri Lankan	contin	numeric	
V111	NSCASUAL	Casual Sri Lankan	contin	numeric	
V112	NSLEARN	Learners and Apprentices Sri Lankan	discrete	numeric	
V113	ADMAD	Administrative Male Adults	contin	numeric	
V114	ADFAD	Administrative Female Adults	contin	numeric	
V115	ADMB18	Administrative Male Under 18 Years	discrete	numeric	
V116	ADFB18	Administrative Female Under 18 Years	discrete	numeric	
V117	PROMAD	Professional Male Adults	contin	numeric	
V118	PROFAD	Professional Female Adults	contin	numeric	
V119	PROMB18	Professional Male Under 18 Years	contin	numeric	
V120	PROFB18	Professional Female Under 18 Years	contin	numeric	
V121	CLEMAD	Clerical Male Adults	contin	numeric	
V122	CLEFAD	Clerical Female Adults	contin	numeric	
V123	CLEMB18	Clerical Male Under 18 Years	contin	numeric	
V124	CLEFB18	Clerical Female Under 18 Years	contin	numeric	
V125	SALMAD	Sale Workers Male Adults	contin	numeric	

ID	Name	Label	Type	Format	Question
V126	SALFAD	Sale Workers Female Adults	contin	numeric	
V127	SALMB18	Sale Workers Male Under 18 Years	contin	numeric	
V128	SALFB18	Sale Workers Female Under 18 Years	discrete	numeric	
V129	SUPMAD	Supervisors Male Adults	contin	numeric	
V130	SUPFAD	Supervisors Female Adults	contin	numeric	
V131	SUPMB18	Supervisors Male Under 18 Years	discrete	numeric	
V132	SUPFB18	Supervisors Female Under 18 Years	discrete	numeric	
V133	SKIMAD	Skilled & Semi skilled Male Adults	contin	numeric	
V134	SKIFAD	Skilled & Semi skilled Female Adults	contin	numeric	
V135	SKIMB18	Skilled & Semi skilled Male Under 18 Years	contin	numeric	
V136	SKIFB18	Skilled & Semi skilled Female Under 18 Years	contin	numeric	
V137	UNSMAD	Unskilled Male Adults	contin	numeric	
V138	UNSFAD	Unskilled Female Adults	contin	numeric	
V139	UNSMB18	Unskilled Male Under 18 Years	contin	numeric	
V140	UNSF18	Unskilled Female Under 18 Years	contin	numeric	
V141	YEAR1	YEAR1	contin	numeric	
V142	YEAR2	YEAR2	discrete	numeric	
V143	YEAR3	YEAR3	discrete	numeric	



**Serial Number (SRNUM)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 5466
Format: numeric	Invalid: 0
Width: 5	Minimum: 1
Decimals: 0	Maximum: 5537
Range: 1-5537	Mean: 2761.9
	Standard deviation: 1602.9

**Sector (SEC)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 5466
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

**District (DIST)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 5466
Format: numeric	Invalid: 0
Width: 2	Minimum: 11
Decimals: 0	Maximum: 92
Range: 11-92	Mean: 32.8
	Standard deviation: 27.1

**District Area (DSARA)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 5466
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 90
Range: 1-90	Mean: 42.8
	Standard deviation: 27.1

**Industry (INDU)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 5466
Format: numeric	Invalid: 0
Width: 5	Minimum: 11130
Decimals: 0	Maximum: 96000
Range: 11130-96000	Mean: 58303.3
	Standard deviation: 26642

**Cooperation (CORP)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1620
Format: numeric	Invalid: 3846
Width: 3	Minimum: 1
Decimals: 0	Maximum: 254
Range: 1-254	Mean: 79.8
	Standard deviation: 54.4

**XX (XX)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 5466
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 34-34	

**Permanent Sri Lankan (SPER)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 5303
Format: numeric	Invalid: 163
Width: 5	Minimum: 1
Decimals: 0	Maximum: 7604
Range: 1-7604	Mean: 98.2
	Standard deviation: 295

**Temporary Sri Lankan (STEMP)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 2073
Format: numeric	Invalid: 3393
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1355
Range: 0-1355	Mean: 21.4
	Standard deviation: 54.1

**Casual Sri Lankan (SCASUAL)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1787
Format: numeric	Invalid: 3679
Width: 4	Minimum: 0
Decimals: 0	Maximum: 3834
Range: 0-3834	Mean: 27.7
	Standard deviation: 133.6



**Learners and Apprentices Sri Lankan (SLEARN)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1203
Format: numeric	Invalid: 4263
Width: 4	Minimum: 0
Decimals: 0	Maximum: 827
Range: 0-827	Mean: 11.5
	Standard deviation: 41.7

**Permanent Non Sri Lankan (NSPER)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 143
Format: numeric	Invalid: 5323
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1021
Range: 0-1021	Mean: 14.6
	Standard deviation: 87.7

**Temporary Non Sri Lankan (NSTEMP)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 48
Format: numeric	Invalid: 5418
Width: 4	Minimum: 0
Decimals: 0	Maximum: 247
Range: 0-247	Mean: 8.9
	Standard deviation: 35.8

**Casual Sri Lankan (NSCASUAL)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 11
Format: numeric	Invalid: 5455
Width: 4	Minimum: 0
Decimals: 0	Maximum: 440
Range: 0-440	Mean: 67.1
	Standard deviation: 149.6

**Learners and Apprentices Sri Lankan (NSLEARN)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 4
Format: numeric	Invalid: 5462
Width: 4	
Decimals: 0	
Range: 0-1	

**Administrative Male Adults (ADMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 4194
Format: numeric	Invalid: 1272
Width: 4	Minimum: 0
Decimals: 0	Maximum: 772
Range: 0-772	Mean: 5.8
	Standard deviation: 25

**Administrative Female Adults (ADFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1888
Format: numeric	Invalid: 3578
Width: 4	Minimum: 0
Decimals: 0	Maximum: 814
Range: 0-814	Mean: 5.2
	Standard deviation: 31.3

**Administrative Male Under 18 Years (ADMB18)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 12
Format: numeric	Invalid: 5454
Width: 4	
Decimals: 0	
Range: 0-13	

**Administrative Female Under 18 Years (ADFB18)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 3
Format: numeric	Invalid: 5463
Width: 4	
Decimals: 0	
Range: 0-2	

**Professional Male Adults (PROMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 2460
Format: numeric	Invalid: 3006
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1753
Range: 0-1753	Mean: 22.6
	Standard deviation: 82.4

**Professional Female Adults (PROFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1457
Format: numeric	Invalid: 4009
Width: 4	Minimum: 0
Decimals: 0	Maximum: 823
Range: 0-823	Mean: 16.3
	Standard deviation: 59.3

**Professional Male Under 18 Years (PROMB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 13
Format: numeric	Invalid: 5453
Width: 4	Minimum: 0
Decimals: 0	Maximum: 92
Range: 0-92	Mean: 12.2
	Standard deviation: 26.1

**Professional Female Under 18 Years (PROFB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 3
Format: numeric	Invalid: 5463
Width: 4	Minimum: 0
Decimals: 0	Maximum: 32
Range: 0-32	Mean: 11.7
	Standard deviation: 17.7

**Clerical Male Adults (CLEMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 3886
Format: numeric	Invalid: 1580
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1915
Range: 0-1915	Mean: 14.2
	Standard deviation: 52.2

**Clerical Female Adults (CLEFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 3801
Format: numeric	Invalid: 1665
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1307
Range: 0-1307	Mean: 11.3
	Standard deviation: 40.5

**Clerical Male Under 18 Years (CLEMB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 27
Format: numeric	Invalid: 5439
Width: 4	Minimum: 0
Decimals: 0	Maximum: 68
Range: 0-68	Mean: 10.3
	Standard deviation: 14.9

**Clerical Female Under 18 Years (CLEFB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 9
Format: numeric	Invalid: 5457
Width: 4	Minimum: 1
Decimals: 0	Maximum: 38
Range: 1-38	Mean: 8.4
	Standard deviation: 12.1

**Sale Workers Male Adults (SALMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1337
Format: numeric	Invalid: 4129
Width: 4	Minimum: 0
Decimals: 0	Maximum: 458
Range: 0-458	Mean: 16.2
	Standard deviation: 35.4

**Sale Workers Female Adults (SALFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 721
Format: numeric	Invalid: 4745
Width: 4	Minimum: 0
Decimals: 0	Maximum: 724
Range: 0-724	Mean: 15.7
	Standard deviation: 41.8

**Sale Workers Male Under 18 Years (SALMB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 10
Format: numeric	Invalid: 5456
Width: 4	Minimum: 0
Decimals: 0	Maximum: 37
Range: 0-37	Mean: 10.6
	Standard deviation: 13.5

**Sale Workers Female Under 18 Years (SALFB18)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 2
Format: numeric	Invalid: 5464
Width: 4	
Decimals: 0	
Range: 0-2	

**Supervisors Male Adults (SUPMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1359
Format: numeric	Invalid: 4107
Width: 4	Minimum: 0
Decimals: 0	Maximum: 610
Range: 0-610	Mean: 14.2
	Standard deviation: 40.3

**Supervisors Female Adults (SUPFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 496
Format: numeric	Invalid: 4970
Width: 4	Minimum: 0
Decimals: 0	Maximum: 567
Range: 0-567	Mean: 11.1
	Standard deviation: 48.9

**Supervisors Male Under 18 Years (SUPMB18)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 5
Format: numeric	Invalid: 5461
Width: 4	
Decimals: 0	
Range: 0-5	

**Supervisors Female Under 18 Years (SUPFB18)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 5466
Width: 4	
Decimals: 0	

**Skilled & Semi skilled Male Adults (SKIMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 2966
Format: numeric	Invalid: 2500
Width: 4	Minimum: 0
Decimals: 0	Maximum: 5417
Range: 0-5417	Mean: 34.3
	Standard deviation: 145.3

**Skilled & Semi skilled Female Adults (SKIFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1699
Format: numeric	Invalid: 3767
Width: 4	Minimum: 0
Decimals: 0	Maximum: 5173
Range: 0-5173	Mean: 40.1
	Standard deviation: 174.4

**Skilled & Semi skilled Male Under 18 Years (SKIMB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 47
Format: numeric	Invalid: 5419
Width: 4	Minimum: 0
Decimals: 0	Maximum: 488
Range: 0-488	Mean: 23.7
	Standard deviation: 73.8

**Skilled & Semi skilled Female Under 18 Years (SKIFB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 41
Format: numeric	Invalid: 5425
Width: 4	Minimum: 1
Decimals: 0	Maximum: 64
Range: 1-64	Mean: 15.4
	Standard deviation: 17.4

**Unskilled Male Adults (UNSMAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 2357
Format: numeric	Invalid: 3109
Width: 4	Minimum: 0
Decimals: 0	Maximum: 3756
Range: 0-3756	Mean: 43.9
	Standard deviation: 150

**Unskilled Female Adults (UNSFAD)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1588
Format: numeric	Invalid: 3878
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1695
Range: 0-1695	Mean: 53.9
	Standard deviation: 129.4

**Unskilled Male Under 18 Years (UNSMB18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 45
Format: numeric	Invalid: 5421
Width: 4	Minimum: 1
Decimals: 0	Maximum: 598
Range: 1-598	Mean: 26.5
	Standard deviation: 91

**Unskilled Female Under 18 Years (UNSF18)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 34
Format: numeric	Invalid: 5432
Width: 4	Minimum: 1
Decimals: 0	Maximum: 63
Range: 1-63	Mean: 11.9
	Standard deviation: 16.5

**YEAR1 (YEAR1)**

File: EMS 2010

**Overview**

Type: Continuous	Valid cases: 1045
Format: numeric	Invalid: 4421
Width: 4	Minimum: 1
Decimals: 0	Maximum: 6557
Range: 1-6557	Mean: 181.5
	Standard deviation: 508.3

**YEAR2 (YEAR2)**

File: EMS 2010

**Overview**

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 5466
Width: 4	
Decimals: 0	

## YEAR3 (YEAR3)

File: EMS 2010

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0

Valid cases: 0  
Invalid: 5466



## Related Materials

### Questionnaires

#### Employment Survey Questionnaire

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Title Employment Survey Questionnaire  
Filename Employment Survey Questionnaire.pdf

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### Reports

#### Study Documentation EMS 2010 Project

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Title Study Documentation EMS 2010 Project  
Filename Study Documentation EMS 2010 Project.pdf

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### Technical documents

#### Data Dictionary of Employment Survey 2006

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Title Data Dictionary of Employment Survey 2006  
Filename Data Dictionary of Employment Survey 2006.pdf

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#### Industrial Classification Codes

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Title Industrial Classification Codes  
Filename Industrial Classification Codes.pdf

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