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BEAMA INDICES

Issue 555

December 2015

GB £60.00

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BEAMA Indices - Issue 555

Enclosed are the most recent figures obtained from the Office for National Statistics (ONS). It should be noted that initially the index numbers are provisional and when confirmed are usually subject to slight amendment.

The Producer Price Indices(PPI) of materials used in the UK are prepared by the Office for National Statistics and made available to BEAMA on a monthly basis. The indices are deemed to be published on the date of the Government publication "UK Economy" (reference MM22) in which price index figures in general appear for the month concerned.

Have a Merry Christmas and a Prosperous New Year

December 2015
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Contents

Glossary

BEAMA British Electrotechnical & Allied Manufacturers Association

BISPA Basic Iron & Steel Producers Association

COMPOSITE Index made of 50% Electrical Labour, 30% Mechanical Materials and 20% RPI (All items excl. food)

CPA Contract Price Adjustment

GB Generating Board

MM22 Business Monitor that contains the publishable Producer Price Indices compiled by ONS

ONS Office for National Statistics

PGCA Power Generation Contractors Association

PPI Producer Price Indices

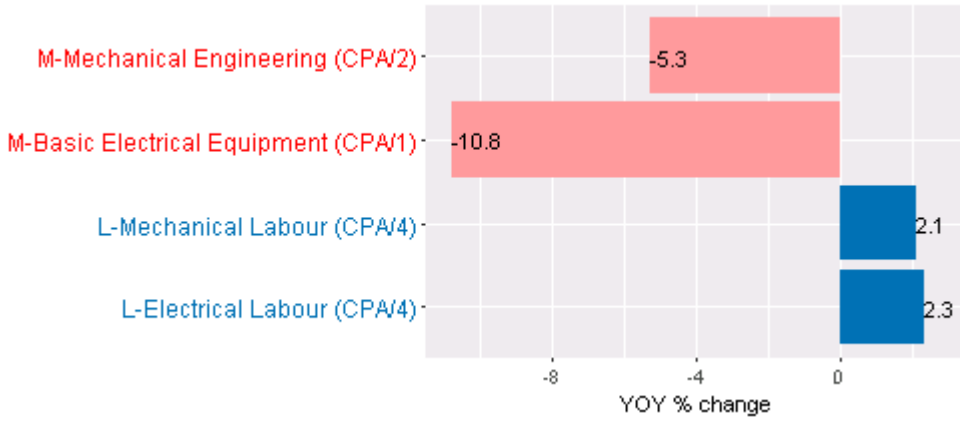
YOY% Year on Year or Annual Percentage change

1 At a Glance

1.1 Last Three Months

	Index			YOY%		
Labour	*Oct-15*	*Nov-15*	*Dec-15*	*Oct-15*	*Nov-15*	*Dec-15*
Electrical (*Jan 2010=100*)	116.5	115.7	115.2	2.9	2.5	2.3
Mechanical (*Jan 2010=100*)	116.5	115.8	115.5	2.6	2.2	2.1
Materials	*Aug-15*	*Sep-15 (p)*	*Oct-15 (p)*	*Aug-15*	*Sep-15 (p)*	*Oct-15 (p)*
Electrical(*2010=100*)	96.8	96.1	95.9	-11.2	-11.6	-10.8
Mechanical(*2010=100*)	102.4	101.7	101.7	-4.9	-5.3	-5.3
Factory Built (*2010=100*)	110.2	111.1	112.6	-1.3	-0.4	-0.6
Dist. Trans (*2010=100*)	86.8	86.0	85.8	-12.6	-12.3	-12.9
Ind. Elec (*2010=100*)	103.7	104.1	105.0	-4.4	-3.5	-3.9
Basic Iron (*2010=100*)	77.8	77.1	76.7	-19.0	-17.9	-18.6
Large Power Trans (*2010=100*)	110.4	110.6	110.7	-0.3	-0.2	-0.2
BISPA(*2010=100*)	94.5	95.5	96.0	-14.2	-13.1	-11.5
Composite (*2010=100*)	112.0	112.2	112.5	1.0	1.1	1.4

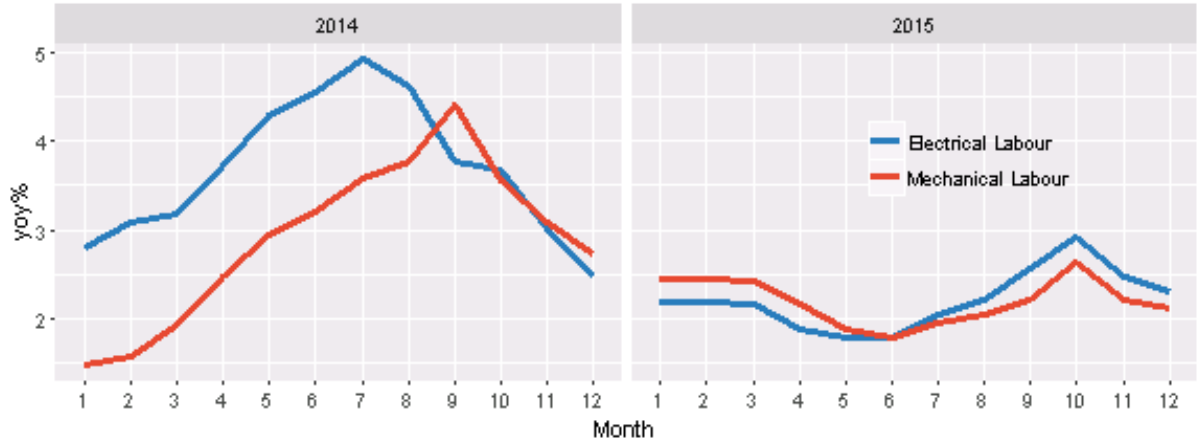
1.2 Issue 555: Annual Percentage Change



2 Labour Cost Indices

2.1 Electrical Engineering & Mechanical Engineering

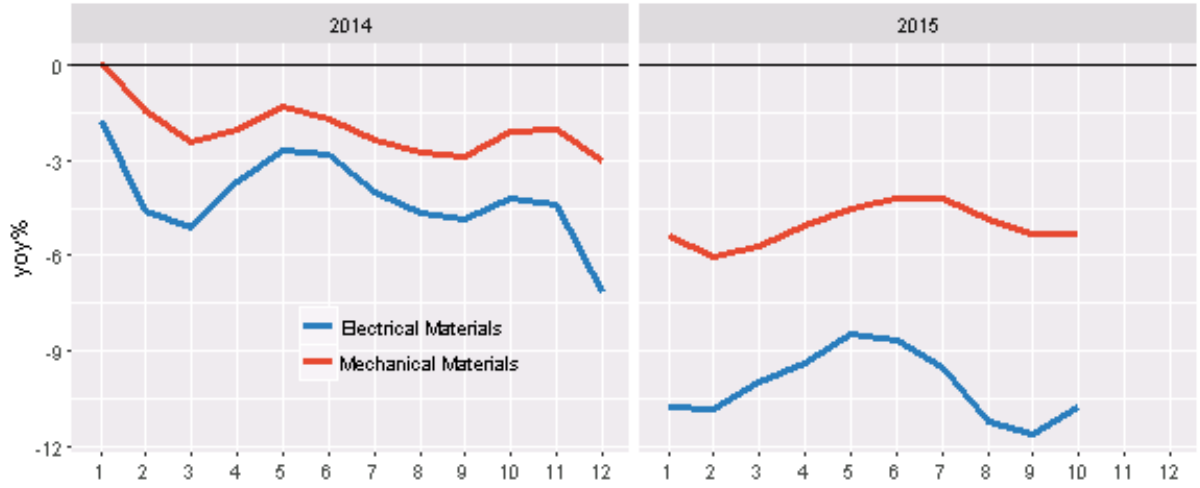
		Electrical		Mechanical	
		January	*January*	*January*	*January*
Month	**Pub. Date**	*1980=100*	*2010=100*	*1980=100*	*2010=100*
Dec 14	*30 Nov 2014*	858.8	112.6	738.2	113.1
Jan 15	*31 Dec 2014*	858.0	112.5	738.2	113.1
Feb 15	*31 Jan 2015*	859.6	112.7	739.5	113.3
Mar 15	*28 Feb 2015*	861.1	112.9	742.1	113.7
Apr 15	*31 Mar 2015*	864.9	113.4	744.1	114.0
May 15	*30 Apr 2015*	869.5	114.0	746.0	114.3
Jun 15	*31 May 2015*	872.5	114.4	747.3	114.5
Jul 15	*30 Jun 2015*	879.4	115.3	751.9	115.2
Aug 15	*31 Jul 2015*	882.4	115.7	753.9	115.5
Sep 15	*31 Aug 2015*	885.5	116.1	757.1	116.0
Oct 15	*30 Sep 2015*	888.5	116.5	760.4	116.5
Nov 15	*31 Oct 2015*	882.4	115.7	755.8	115.8
Dec 15	*30 Nov 2015*	878.6	115.2	753.9	115.5



3 Material Cost Indices

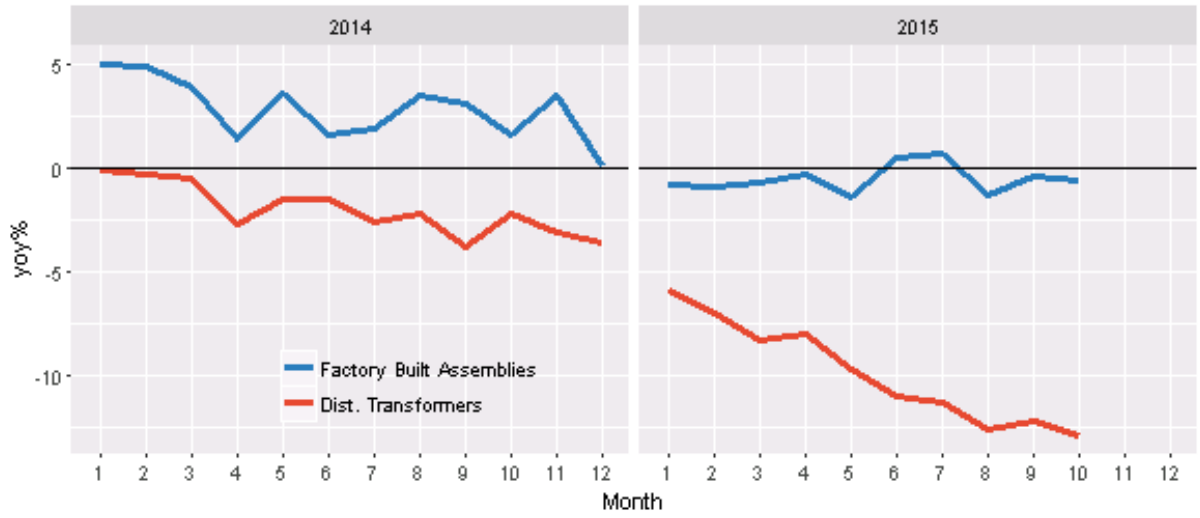
3.1 Materials: Electrical Equipment & Mechanical Engineering

		Electrical		Mechanical	
Month	**Pub. Date**	*2005=100*	*2010=100*	*2005=100*	*2010=100*
Oct 14	*18 Nov 2014*	144.0	107.5	139.5	107.4
Nov 14	*16 Dec 2014*	142.6	106.5	139.3	107.2
Dec 14	*13 Jan 2015*	138.8	103.6	138.1	106.3
Jan 15	*17 Feb 2015*	132.5	98.9	134.5	103.5
Feb 15	*24 Mar 2015*	132.1	98.6	133.4	102.7
Mar 15	*14 Apr 2015*	133.3	99.5	133.8	103.0
Apr 15	*19 May 2015*	133.4	99.6	133.8	103.0
May 15	*16 Jun 2015*	134.3	100.3	134.2	103.3
Jun 15	*14 Jul 2015*	133.8	99.9	134.2	103.3
Jul 15	*18 Aug 2015*	132.3	98.8	134.1	103.2
Aug 15	*15 Sep 2015*	129.7	96.8	133.0	102.4
Sep 15	*13 Oct 2015*	128.7	96.1	132.1	101.7
Oct 15	*17 Nov 2015*	128.4	95.9	132.1	101.7



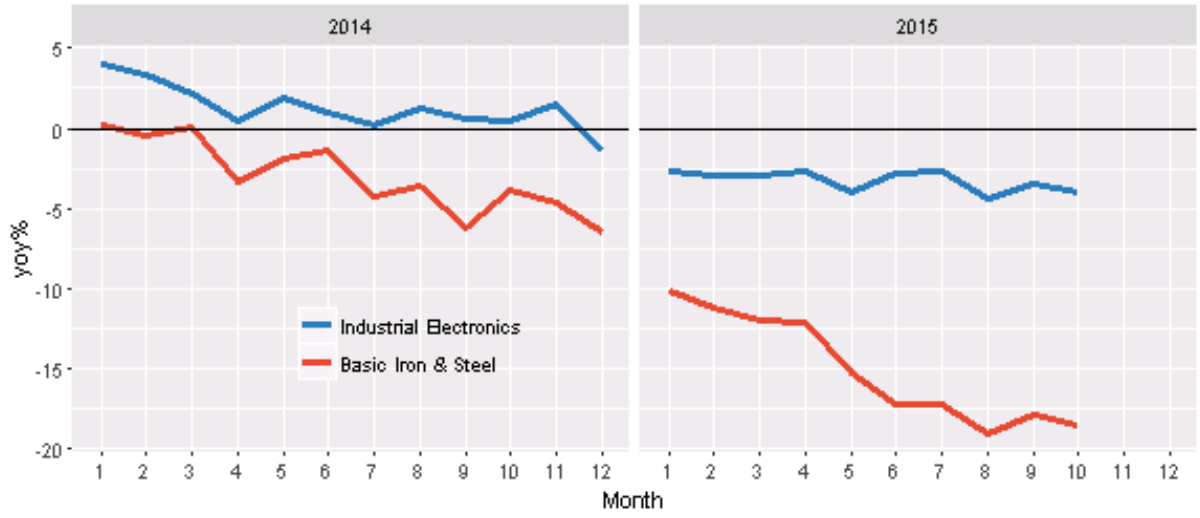
3.2 Materials: Factory Built Assemblies & Distribution Transformer

		Factory Built Assemb.		Distribution Transformer	
Month	**Pub. Date**	*2005=100*	*2010=100*	*2005=100*	*2010=100*
Oct 14	*18 Nov 2014*	185.8	113.3	148.5	98.5
Nov 14	*16 Dec 2014*	190.4	116.1	147.9	98.1
Dec 14	*13 Jan 2015*	188.3	114.8	147.0	97.5
Jan 15	*17 Feb 2015*	186.3	113.6	143.5	95.2
Feb 15	*24 Mar 2015*	185.8	113.3	141.5	93.9
Mar 15	*14 Apr 2015*	184.2	112.3	139.7	92.7
Apr 15	*19 May 2015*	182.6	111.3	137.5	91.2
May 15	*16 Jun 2015*	180.1	109.8	135.4	89.8
Jun 15	*14 Jul 2015*	182.6	111.3	134.1	89.0
Jul 15	*18 Aug 2015*	182.4	111.2	132.3	87.8
Aug 15	*15 Sep 2015*	180.8	110.2	130.8	86.8
Sep 15	*13 Oct 2015*	182.2	111.1	129.6	86.0
Oct 15	*17 Nov 2015*	184.7	112.6	129.3	85.8



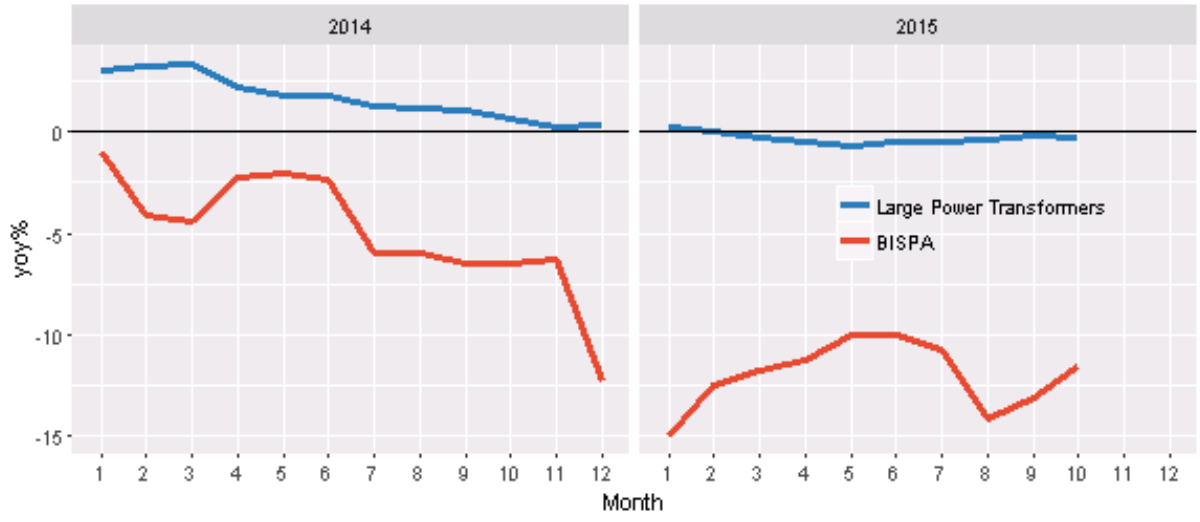
3.3 Materials: Industrial Electronics & Basic Irons and Steel

		Industrial Electronics		Basic Iron & Steel	
Month	**Pub. Date**	*2005=100*	*2010=100*	*2005=100*	*2010=100*
Oct 14	*18 Nov 2014*	160.8	109.3	142.6	94.2
Nov 14	*16 Dec 2014*	163.3	111.0	141.8	93.7
Dec 14	*13 Jan 2015*	161.4	109.7	139.3	92.0
Jan 15	*17 Feb 2015*	159.0	108.1	134.0	88.5
Feb 15	*24 Mar 2015*	158.3	107.6	131.5	86.9
Mar 15	*14 Apr 2015*	157.1	106.8	130.3	86.1
Apr 15	*19 May 2015*	155.2	105.5	126.7	83.7
May 15	*16 Jun 2015*	153.0	104.0	123.1	81.3
Jun 15	*14 Jul 2015*	154.5	105.0	121.7	80.4
Jul 15	*18 Aug 2015*	153.9	104.6	119.9	79.2
Aug 15	*15 Sep 2015*	152.6	103.7	117.8	77.8
Sep 15	*13 Oct 2015*	153.1	104.1	116.7	77.1
Oct 15	*17 Nov 2015*	154.5	105.0	116.1	76.7



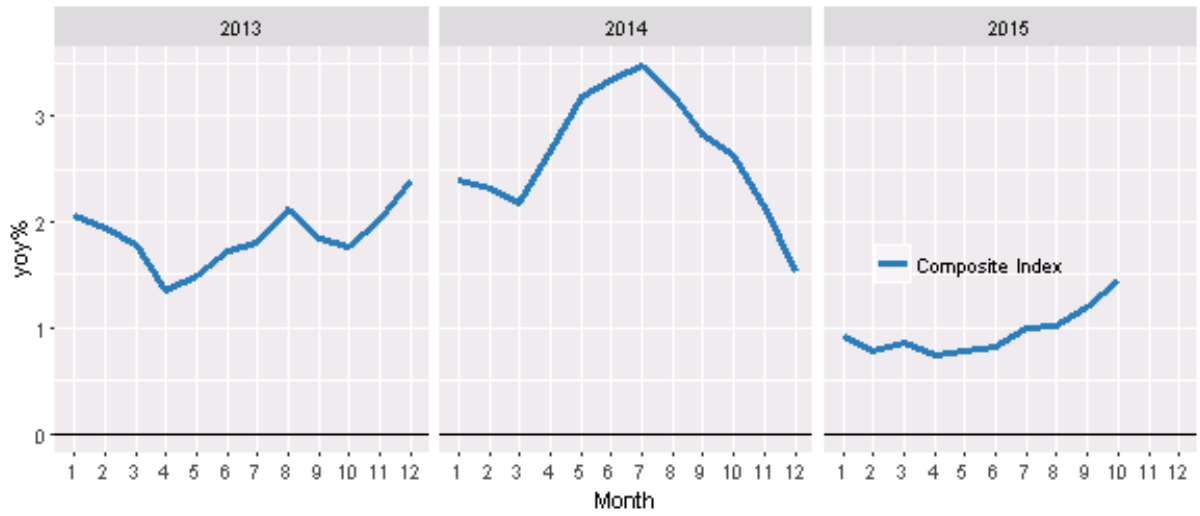
3.4 Materials: Large Power Transformers & BISPA

		Large Pow. Trans		BISPA	
Month	**Pub. Date**	*2005=100*	*2010=100*	*2005=100*	*2010=100*
Oct 14	*18 Nov 2014*	125.3	111.0	149.0	108.5
Nov 14	*16 Dec 2014*	125.3	111.0	148.8	108.3
Dec 14	*13 Jan 2015*	125.4	111.1	140.7	102.4
Jan 15	*17 Feb 2015*	125.4	111.1	134.5	97.9
Feb 15	*24 Mar 2015*	125.4	111.1	138.2	100.6
Mar 15	*14 Apr 2015*	125.3	111.0	138.2	100.6
Apr 15	*19 May 2015*	124.9	110.6	137.8	100.3
May 15	*16 Jun 2015*	124.5	110.3	138.5	100.8
Jun 15	*14 Jul 2015*	124.7	110.4	137.5	100.1
Jul 15	*18 Aug 2015*	124.5	110.3	134.6	98.0
Aug 15	*15 Sep 2015*	124.7	110.4	129.8	94.5
Sep 15	*13 Oct 2015*	124.9	110.6	131.2	95.5
Oct 15	*17 Nov 2015*	125.0	110.7	131.9	96.0



3.5 Materials: BEAMA/GB-GB/PGCA Composite Index

Month	Pub. Date	Composite Index *2005=100*	Composite Index *2010=100*
Oct 14	*18 Nov 2014*	110.9	134.9
Nov 14	*16 Dec 2014*	110.6	134.5
Dec 14	*13 Jan 2015*	110.3	134.1
Jan 15	*17 Feb 2015*	109.7	133.4
Feb 15	*24 Mar 2015*	109.7	133.5
Mar 15	*14 Apr 2015*	110.0	133.8
Apr 15	*19 May 2015*	110.4	134.2
May 15	*16 Jun 2015*	110.9	134.9
Jun 15	*14 Jul 2015*	111.2	135.2
Jul 15	*18 Aug 2015*	111.8	136.0
Aug 15	*15 Sep 2015*	112.0	136.3
Sep 15	*13 Oct 2015*	112.2	136.4
Oct 15	*17 Nov 2015*	112.5	136.8



4 Tabulated figures

4.1 CPA/4 Labour Cost Index (ELECTRICAL)

The BEAMA Labour Cost Index is based upon the National Average Earnings Index figures for the Engineering Industry produced by the UK Office for National Statistics and takes into account National Insurance Statutory Payments, variations in paid holidays and the working week.

The BEAMA Labour Cost Index for each month is deemed to be published on the last day of the preceding month unless otherwise stated.

2013			**2014**			**2015**		
Jan 1980=100		Jan 2010=100	Jan 1980=100		Jan 2010=100	Jan 1980=100		Jan 2010=100
816.5	(*Jan*)	107.1	839.7	(*Jan*)	110.1	858.0	(*Jan*)	112.5
816.1	(*Feb*)	107.0	841.3	(*Feb*)	110.3	859.6	(*Feb*)	112.7
816.9	(*Mar*)	107.1	842.8	(*Mar*)	110.5	861.1	(*Mar*)	112.9
818.4	(*Apr*)	107.3	848.9	(*Apr*)	111.3	864.9	(*Apr*)	113.4
819.1	(*May*)	107.4	854.2	(*May*)	112.0	869.5	(*May*)	114.0
819.9	(*Jun*)	107.5	857.3	(*Jun*)	112.4	872.5	(*Jun*)	114.4
821.4	(*Jul*)	107.7	861.9	(*Jul*)	113.0	879.4	(*Jul*)	115.3
825.2	(*Aug*)	108.2	863.4	(*Aug*)	113.2	882.4	(*Aug*)	115.7
829.1	(*Sep*)	108.7	863.4	(*Sep*)	113.2	885.5	(*Sep*)	116.1
832.9	(*Oct*)	109.2	863.4	(*Oct*)	113.2	888.5	(*Oct*)	116.5
835.9	(*Nov*)	109.6	861.1	(*Nov*)	112.9	882.4	(*Nov*)	115.7
838.2	(*Dec*)	109.9	858.8	(*Dec*)	112.6	878.6	(*Dec*)	115.2

4.2 CPA/4 Labour Cost Index (MECHANICAL)

The BEAMA Labour Cost Index is based upon the National Average Earnings Index figures for the Engineering Industry produced by the UK Office for National Statistics and takes into account National Insurance Statutory Payments, variations in paid holidays and the working week.

The BEAMA Labour Cost Index for each month is deemed to be published on the last day of the preceding month unless otherwise stated.

2013			**2014**			**2015**		
Jan 1980=100		Jan 2010=100	Jan 1980=100		Jan 2010=100	Jan 1980=100		Jan 2010=100
710.3	(*Jan*)	108.8	720.6	(*Jan*)	110.4	738.2	(*Jan*)	113.1
710.8	(*Feb*)	108.9	721.9	(*Feb*)	110.6	739.5	(*Feb*)	113.3
710.8	(*Mar*)	108.9	724.5	(*Mar*)	111.0	742.1	(*Mar*)	113.7
710.8	(*Apr*)	108.9	728.4	(*Apr*)	111.6	744.1	(*Apr*)	114.0
711.4	(*May*)	109.0	732.3	(*May*)	112.2	746.0	(*May*)	114.3
711.4	(*Jun*)	109.0	734.3	(*Jun*)	112.5	747.3	(*Jun*)	114.5
712.1	(*Jul*)	109.1	737.6	(*Jul*)	113.0	751.9	(*Jul*)	115.2
712.1	(*Aug*)	109.1	738.9	(*Aug*)	113.2	753.9	(*Aug*)	115.5
712.1	(*Sep*)	109.1	740.8	(*Sep*)	113.5	757.1	(*Sep*)	116.0
715.4	(*Oct*)	109.6	740.8	(*Oct*)	113.5	760.4	(*Oct*)	116.5
717.3	(*Nov*)	109.9	739.5	(*Nov*)	113.3	755.8	(*Nov*)	115.8
718.6	(*Dec*)	110.1	738.2	(*Dec*)	113.1	753.9	(*Dec*)	115.5

4.3 CPA/1 Price Index of Materials used in the Basic Electrical Equipment Industry

The Producer Price Indices of materials used in the UK Basic Electrical Equipment Industry are prepared by the Office for National Statistics and made available to BEAMA on a monthly basis. The indices are deemed to be published on the date of the Government publication *UK Economy* (reference MM22) in which price index figures in general appear for the month concerned.*(Notes)*[1]

	2013			2014			2015		
Month	2005=100		2005=100	2005=100		2010=100	2005=100		2010=100
Jan	*151.1	(*12 Feb 2013*)	*112.8	*148.4	(*14 Feb 2014*)	*110.8	*132.5	(*17 Feb 2015*)	*98.9
Feb	*155.3	(*19 Mar 2013*)	*116.0	*148.1	(*25 Mar 2014*)	*110.6	*132.1	(*24 Mar 2015*)	*98.6
Mar	*156.0	(*16 Apr 2013*)	*116.5	*148.0	(*15 Apr 2014*)	*110.5	*133.3	(*14 Apr 2015*)	*99.5
Apr	*152.8	(*21 May 2013*)	*114.1	*147.2	(*20 May 2014*)	*109.9	*133.4	(*19 May 2015*)	*99.6
May	*150.8	(*18 May 2013*)	*112.6	*146.8	(*17 Jun 2014*)	*109.6	*134.3	(*16 Jun 2015*)	*100.3
Jun	*150.8	(*16 Jun 2013*)	*112.6	*146.5	(*15 Jul 2014*)	*109.4	*133.8	(*14 Jul 2015*)	*99.9
Jul	*152.4	(*13 Aug 2013*)	*113.8	*146.3	(*19 Aug 2014*)	*109.2	*132.3	(*18 Aug 2015*)	*98.8
Aug	*153.1	(*17 Sep 2013*)	*114.3	*146.0	(*16 Sep 2014*)	*109.0	*129.7	(*15 Sep 2015*)	*96.8
Sep	*153.0	(*15 Oct 2013*)	*114.3	*145.6	(*14 Oct 2014*)	*108.7	*128.7	(*13 Oct 2015*)	*96.1
Oct	*150.3	(*14 Nov 2013*)	*112.2	*144.0	(*18 Nov 2014*)	*107.5	*128.4	(*17 Nov 2015*)	*95.9
Nov	*149.2	(*17 Dec 2013*)	*111.4	*142.6	(*16 Dec 2014*)	*106.5		(*15 Dec 2015*)	
Dec	*149.5	(*14 Jan 2014*)	*111.6	*138.8	(*13 Jan 2015*)	103.6		(*19 Jan 2016*)	

[1] *=Amended by the ONS since first publication; p=Provisional

4.4 CPA/2 Price Index of Materials used in the Mechanical Engineering Industry

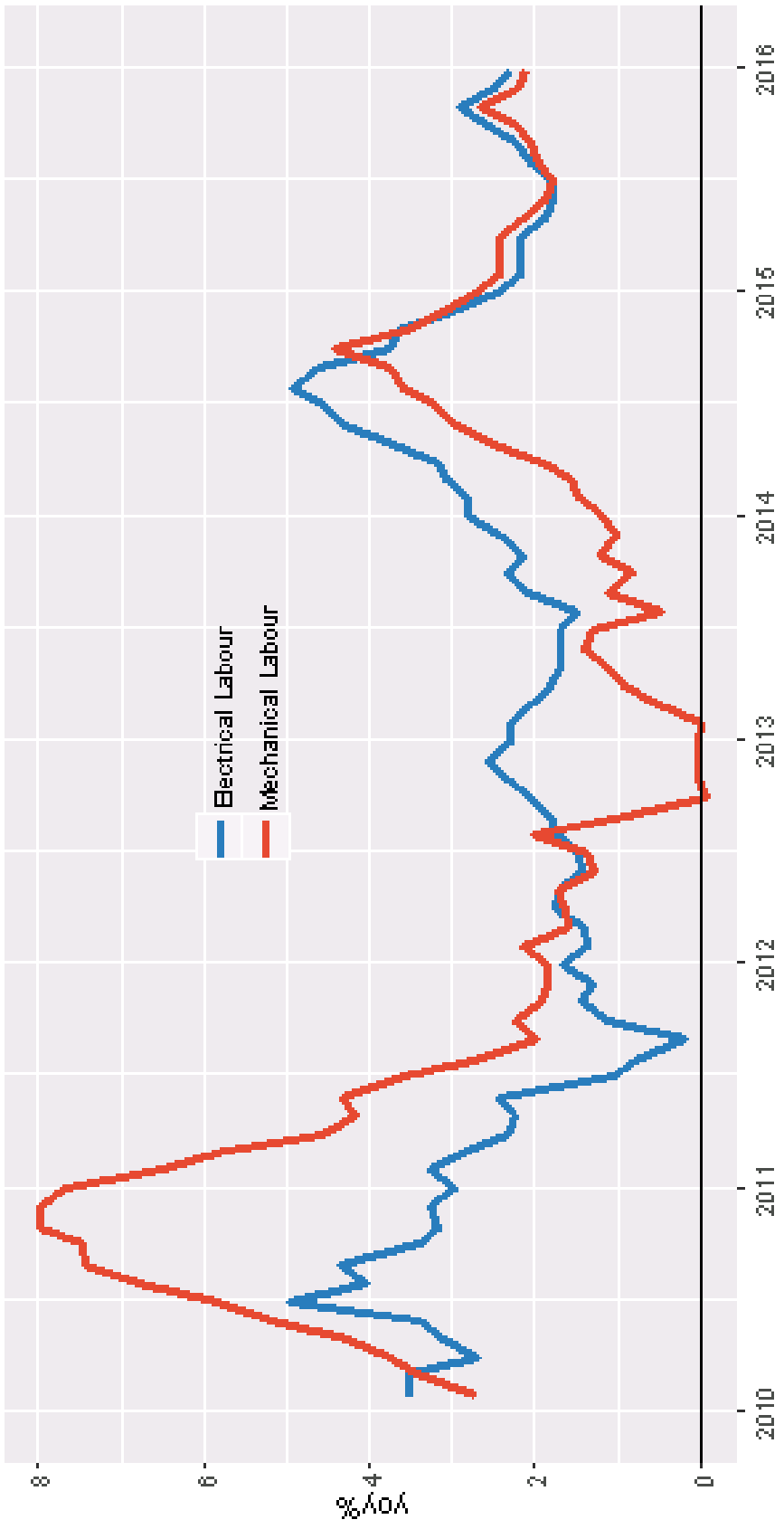
The Producer Price Indices of materials used in the UK Mechanical Engineering Industry are prepared by the Office for National Statistics and made available to BEAMA on a monthly basis. The indices are deemed to be published on the date of the Government publication *UK Economy* (reference MM22) in which price index figures in general appear for the month concerned.*(Notes)*[2]

	2013			2014			2015		
Month	2005=100		2005=100	2005=100		2010=100	2005=100		2010=100
Jan	*142.0	(*12 Feb 2013*)	*109.3	*142.1	(*14 Feb 2014*)	*109.4	*134.5	(*17 Feb 2015*)	*103.5
Feb	*144.0	(*19 Mar 2013*)	*110.9	*142.0	(*25 Mar 2014*)	*109.3	*133.4	(*24 Mar 2015*)	*102.7
Mar	*145.4	(*16 Apr 2013*)	*111.9	*141.9	(*15 Apr 2014*)	*109.2	*133.8	(*14 Apr 2015*)	*103.0
Apr	*143.9	(*21 May 2013*)	*110.8	*141.0	(*20 May 2014*)	*108.5	*133.8	(*19 May 2015*)	*103.0
May	*142.4	(*18 May 2013*)	*109.6	*140.6	(*17 Jun 2014*)	*108.2	*134.2	(*16 Jun 2015*)	*103.3
Jun	*142.5	(*16 Jun 2013*)	*109.7	*140.0	(*15 Jul 2014*)	*107.8	*134.2	(*14 Jul 2015*)	*103.3
Jul	*143.3	(*13 Aug 2013*)	*110.3	*139.9	(*19 Aug 2014*)	*107.7	*134.1	(*18 Aug 2015*)	*103.2
Aug	*143.7	(*17 Sep 2013*)	*110.6	*139.8	(*16 Sep 2014*)	*107.6	*133.0	(*15 Sep 2015*)	*102.4
Sep	*143.7	(*15 Oct 2013*)	*110.6	*139.5	(*14 Oct 2014*)	*107.4	*132.1	(*13 Oct 2015*)	*101.7
Oct	*142.5	(*14 Nov 2013*)	*109.7	*139.5	(*18 Nov 2014*)	*107.4	*132.1	(*17 Nov 2015*)	*101.7
Nov	*142.1	(*17 Dec 2013*)	*109.4	*139.3	(*16 Dec 2014*)	*107.2			
Dec	*142.4	(*14 Jan 2014*)	*109.6	*138.1	(*13 Jan 2015*)	106.3			

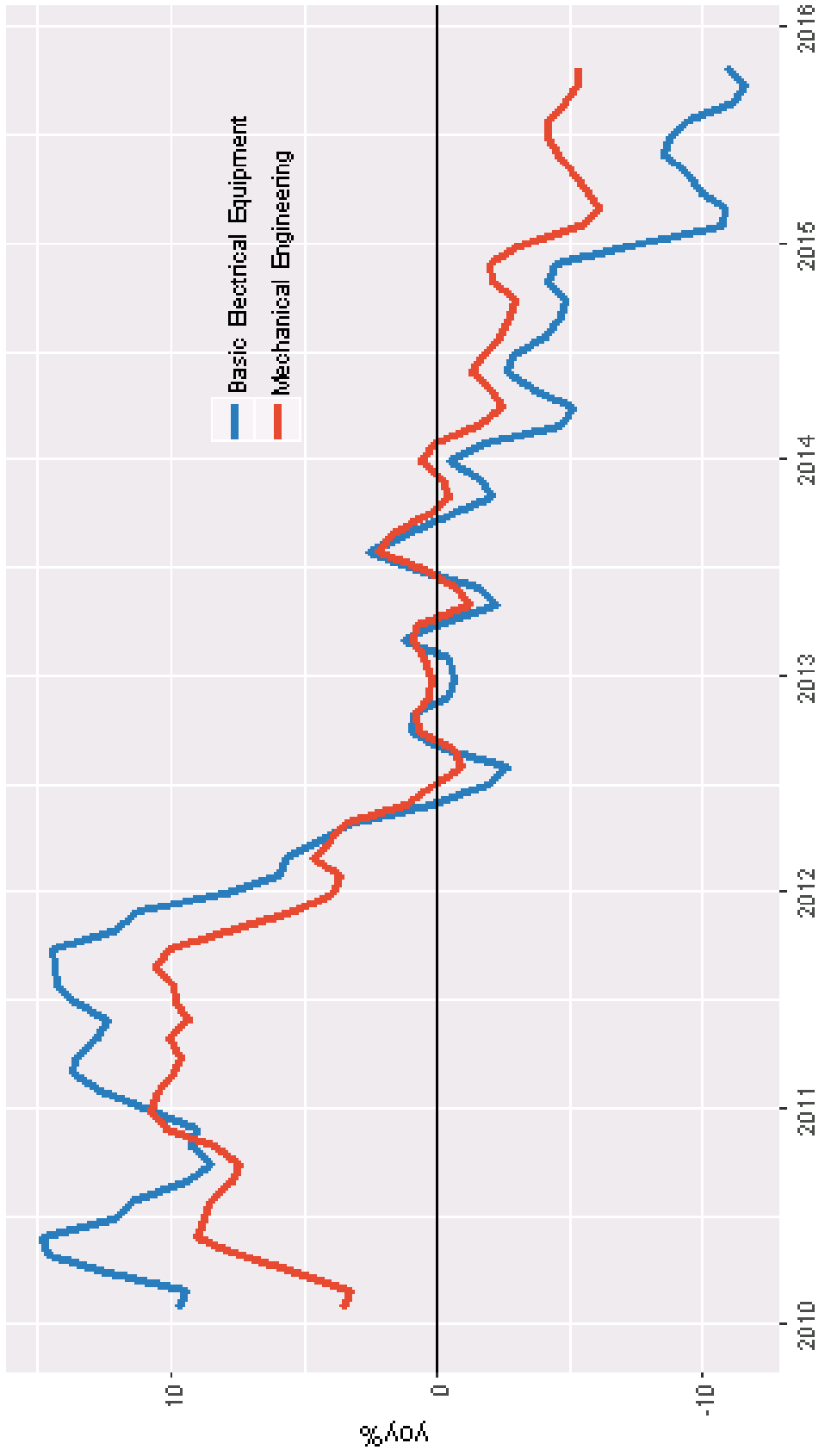
[2]* = Amended by the ONS since first publication; p = Provisional

5 Annual Percentage Changes

5.1 Chart - Labour Indices (YOY%)



5.2 Chart - Material Indices (YOY%)



5.3 Tabulated YOY% Change: Electrical Engineering Labour

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	*mean*	*std. dev*
2002	5.5	5.1	5.6	5.8	5.9	4.6	4.3	4.5	4.7	5.1	5.1	4.5	5.1	0.6
2003	4.3	4.3	3.7	4.4	4.2	4.6	4.8	5.4	5.5	5.0	4.6	4.5	4.6	0.5
2004	4.6	4.9	5.4	4.5	4.2	3.9	4.5	4.7	4.5	4.7	4.6	4.9	4.6	0.4
2005	4.9	4.9	5.5	5.5	5.7	5.0	4.0	3.4	3.3	3.4	3.4	3.3	4.4	1.0
2006	3.2	2.8	2.4	2.5	2.5	3.0	3.0	2.6	2.3	2.0	2.5	2.6	2.6	0.3
2007	3.9	4.9	4.7	4.2	4.0	4.9	5.6	6.0	6.0	6.3	6.1	5.9	5.2	0.9
2008	4.7	3.9	4.3	4.3	4.2	2.9	2.5	2.7	3.0	2.9	2.7	2.5	3.4	0.8
2009	2.6	2.8	3.3	3.6	3.9	3.9	4.6	3.7	3.7	3.2	3.2	3.4	3.5	0.5
2010	3.5	3.5	2.7	3.1	3.4	5.0	4.0	4.3	3.4	3.2	3.3	3.0	3.5	0.6
2011	3.3	2.8	2.3	2.2	2.4	1.1	0.8	0.2	1.1	1.4	1.3	1.7	1.7	0.9
2012	1.4	1.4	1.8	1.8	1.4	1.4	1.7	1.8	2.0	2.3	2.6	2.3	1.8	0.4
2013	2.2	2.0	1.8	1.7	1.7	1.7	1.5	2.0	2.0	2.2	2.4	2.8	2.0	0.4
2014	2.8	3.1	3.2	3.7	4.3	4.6	4.9	4.6	4.1	3.7	3.0	2.5	3.7	0.8
2015	2.2	2.2	2.2	1.9	1.8	1.8	2.0	2.2	2.6	2.9	2.5	2.3	2.2	0.3
mean	3.7	3.6	3.6	3.6	3.6	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	
std. dev	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.7	1.5	1.5	1.4	1.3		1.4

5.4 Tabulated YOY% Change: Mechanical Engineering Labour

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	*mean*	*std. dev*
2002	2.5	2.4	2.1	2.4	2.7	2.7	2.6	2.7	3.3	3.9	4.1	3.8	2.9	0.7
2003	3.8	3.9	4.4	4.8	4.4	4.4	4.9	5.6	5.0	4.5	4.0	4.4	4.5	0.5
2004	5.0	4.8	4.4	2.9	2.7	2.7	3.2	3.0	3.4	3.9	4.7	4.7	3.8	0.9
2005	4.5	4.4	4.5	5.9	6.7	7.3	6.8	6.4	6.1	5.6	6.0	6.8	5.9	1.0
2006	7.6	7.4	6.5	4.8	4.8	5.1	6.2	6.0	5.9	5.6	5.1	4.7	5.8	1.0
2007	4.1	4.4	5.0	6.5	7.0	6.9	5.7	5.5	5.4	5.5	4.8	4.2	5.4	1.0
2008	4.1	4.1	4.8	4.8	4.4	4.7	4.5	4.7	4.0	4.2	5.1	5.3	4.6	0.4
2009	5.3	5.0	4.7	3.8	2.4	0.8	0.5	0.6	1.6	1.5	1.6	2.0	2.5	1.8
2010	2.7	3.4	3.7	4.2	5.2	5.8	6.8	7.4	7.5	8.0	8.0	7.7	5.9	1.9
2011	6.5	5.7	4.6	4.2	4.3	3.6	2.8	2.0	2.2	1.9	1.8	1.9	3.5	1.6
2012	2.1	1.6	1.6	1.7	1.3	1.4	2.0	0.9	-0.1	0.0	0.0	0.0	1.1	0.8
2013	0.0	0.5	0.9	1.1	1.4	1.3	0.4	1.1	1.2	1.2	1.0	1.2	1.0	0.4
2014	1.5	1.6	1.9	2.5	2.9	3.2	3.6	3.8	4.0	3.6	3.1	2.7	2.9	0.9
2015	2.4	2.4	2.4	2.2	1.9	1.8	1.9	2.0	2.2	2.6	2.2	2.1	2.2	0.3
mean	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.7	
std. dev	2.0	1.8	1.6	1.6	1.9	2.2	2.3	2.4	2.3	2.3	2.3	2.3		1.9

5.5 Tabulated YOY% Change: Basic Electrical Equipment

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	*mean*	*std. dev*
2002	-5.5	-5.4	-4.2	-3.4	-3.7	-3.3	-2.7	-1.9	-1.6	-0.8	-0.2	-0.7	-2.8	1.8
2003	-0.7	-0.2	-0.1	-0.4	-0.2	-0.7	-0.1	0.8	1.3	3.3	5.4	5.7	1.2	2.3
2004	5.5	4.5	4.1	3.4	4.7	5.0	5.1	6.0	8.6	10.4	11.1	11.2	6.6	2.9
2005	11.8	12.9	14.0	15.3	13.2	13.8	16.2	16.6	14.5	15.4	21.0	24.8	15.8	3.7
2006	24.1	22.8	20.8	17.7	17.4	15.4	15.1	13.6	9.8	7.1	3.1	-0.1	13.9	7.6
2007	-2.5	-2.8	-2.1	-2.5	-1.0	0.4	-1.2	-1.1	2.3	2.9	3.3	4.7	0.0	2.6
2008	9.1	10.9	12.4	18.3	20.4	24.6	25.4	22.6	20.7	13.6	4.5	-0.1	15.2	8.1
2009	-3.2	-3.3	-4.2	-6.2	-7.5	-9.9	-10.7	-7.6	-5.9	-1.4	4.1	7.3	-4.0	5.4
2010	9.7	9.4	12.4	14.7	14.9	12.2	11.5	9.5	8.5	9.3	9.0	10.7	11.0	2.2
2011	12.7	13.7	13.6	12.8	12.4	13.6	14.3	14.4	14.5	12.2	11.2	8.0	12.8	1.8
2012	5.9	5.7	4.4	3.2	0.2	-1.9	-2.7	-0.3	1.0	0.9	-0.5	-0.6	1.3	2.9
2013	-0.5	1.2	0.1	-2.3	-1.6	0.8	2.6	1.1	-0.5	-2.1	-1.6	-0.5	-0.3	1.5
2014	-1.8	-4.6	-5.1	-3.7	-2.7	-2.9	-4.0	-4.6	-4.8	-4.2	-4.4	-7.1	-4.2	1.4
2015	-10.7	-10.8	-9.9	-9.4	-8.5	-8.7	-9.6	-11.2	-11.6	-10.8			-10.1	1.1
mean	3.9	3.8	4.0	4.1	4.2	4.2	4.2	4.1	4.0	4.0	5.1	4.9	4.2	
std. dev	9.1	9.3	9.2	9.6	9.6	10.2	10.7	9.9	9.0	7.6	6.7	8.0		8.9

5.6 Tabulated YOY% Change: Mechanical Engineering Materials

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	*mean*	*std. dev*
2002	-2.9	-3.0	-2.6	-2.2	-2.2	-1.9	-0.9	-0.7	-0.5	0.2	0.5	0.7	-1.3	1.3
2003	1.5	1.7	1.9	2.1	2.1	1.7	1.3	1.4	1.7	3.1	5.2	5.2	2.4	1.4
2004	4.5	3.9	3.7	2.6	3.1	3.5	3.8	4.4	6.6	7.7	8.3	9.2	5.1	2.2
2005	10.7	11.6	12.1	12.3	11.5	11.6	13.2	13.4	10.8	12.5	19.1	23.0	13.5	3.7
2006	21.3	20.0	18.5	16.1	14.6	13.3	13.7	12.8	11.0	9.6	4.6	0.6	13.0	6.0
2007	-1.5	-1.5	-0.9	-1.6	0.0	0.9	-0.8	-0.6	1.6	0.8	0.1	1.2	-0.2	1.1
2008	5.3	6.6	7.7	13.6	15.1	18.6	19.5	19.2	19.0	15.3	10.5	8.5	13.3	5.3
2009	6.2	6.4	5.9	3.0	1.6	-1.7	-2.7	-1.9	-1.7	0.2	1.8	2.6	1.6	3.3
2010	3.5	3.2	5.2	7.5	9.1	8.8	8.6	7.7	7.5	8.4	10.2	10.7	7.5	2.4
2011	10.5	9.9	9.6	10.1	9.3	9.9	9.9	10.6	10.1	7.9	5.3	3.9	8.9	2.1
2012	3.7	4.7	4.0	3.4	1.1	0.1	-0.9	-0.6	0.7	0.8	0.4	0.2	1.5	1.9
2013	0.5	0.9	0.8	-1.2	-0.8	0.5	2.2	1.7	0.3	-0.5	-0.1	0.6	0.4	1.0
2014	0.1	-1.5	-2.4	-2.0	-1.3	-1.8	-2.4	-2.7	-2.9	-2.1	-2.0	-3.0	-2.0	0.8
2015	-5.3	-6.1	-5.7	-5.1	-4.6	-4.1	-4.1	-4.9	-5.3	-5.3			-5.1	0.6
mean	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.2	4.9	4.9	4.3	
std. dev	6.7	6.7	6.5	6.7	6.5	6.9	7.4	7.3	6.8	6.0	5.9	6.8		6.5

6 Forecast : 2015 - 2019

6.1 Forecast: Electrical Engineering Labour (Jan 1980=100)

Range is over 95% prediction intervals

	2016		2017		2018		2019	
	forecast	range	forecast	range	forecast	range	forecast	range
Jan	880.6	874.4 *to* 886.8	896.8	870.3 *to* 922.9	913.0	868.7 *to* 957.4	929.1	865.3 *to* 993.2
Feb	882.0	873.2 *to* 890.7	898.1	870.3 *to* 925.7	914.4	868.4 *to* 960.6	930.4	864.9 *to* 996.3
Mar	883.4	872.5 *to* 894.3	899.5	870.0 *to* 928.2	915.7	868.4 *to* 963.0	931.7	864.2 *to* 999.2
Apr	884.7	872.1 *to* 897.4	900.9	870.3 *to* 931.5	917.1	868.6 *to* 965.9	933.0	864.2 *to* 1002.4
May	886.1	871.7 *to* 900.3	902.3	870.4 *to* 934.3	918.4	867.7 *to* 969.0	934.4	863.9 *to* 1005.6
Jun	887.5	871.5 *to* 903.4	903.6	870.0 *to* 936.8	919.7	867.2 *to* 971.6	935.7	863.5 *to* 1008.9
Jul	889.4	871.7 *to* 906.6	905.4	870.2 *to* 940.1	921.6	867.2 *to* 975.4	937.4	863.3 *to* 1012.6
Aug	890.8	871.8 *to* 909.6	906.7	870.0 *to* 943.0	922.8	867.3 *to* 978.1	938.7	863.3 *to* 1015.5
Sep	892.3	871.7 *to* 912.4	908.2	870.1 *to* 946.3	924.2	866.8 *to* 980.9	940.1	862.7 *to* 1019.0
Oct	893.7	871.9 *to* 915.2	909.5	870.1 *to* 949.0	925.5	866.2 *to* 984.1	941.4	862.1 *to* 1022.0
Nov	894.4	871.3 *to* 917.3	910.5	869.0 *to* 951.4	926.4	865.8 *to* 986.8	942.3	860.9 *to* 1024.6
Dec	895.3	870.5 *to* 919.5	911.3	868.7 *to* 954.1	927.4	865.1 *to* 989.0	943.3	860.6 *to* 1027.1

6.2 Forecast: Mechanical Engineering Labour (Jan 1980=100)

Range is over 95% prediction intervals

	2016		2017		2018		2019	
	forecast	range	forecast	range	forecast	range	forecast	range
Jan	753.7	749.1 *to* 758.2	770.4	737.4 *to* 803.4	789.0	732.9 *to* 845.0	808.0	732.0 *to* 884.0
Feb	754.5	746.2 *to* 762.7	771.8	736.7 *to* 806.9	790.5	732.7 *to* 848.3	809.6	732.1 *to* 887.2
Mar	756.0	744.4 *to* 767.6	773.4	736.1 *to* 810.6	792.1	732.6 *to* 851.7	811.2	732.1 *to* 890.3
Apr	757.5	743.0 *to* 772.1	775.0	735.6 *to* 814.3	793.7	732.4 *to* 855.0	812.8	732.2 *to* 893.5
May	759.1	741.9 *to* 776.3	776.6	735.2 *to* 818.0	795.3	732.3 *to* 858.3	814.4	732.2 *to* 896.6
Jun	760.6	741.0 *to* 780.2	778.1	734.7 *to* 821.5	796.9	732.2 *to* 861.6	816.0	732.3 *to* 899.7
Jul	763.0	741.2 *to* 784.8	780.0	734.6 *to* 825.3	798.6	732.2 *to* 865.0	817.6	732.4 *to* 902.8
Aug	764.7	740.8 *to* 788.6	781.6	734.4 *to* 828.8	800.2	732.2 *to* 868.2	819.2	732.5 *to* 905.9
Sep	766.7	740.9 *to* 792.5	783.3	734.3 *to* 832.3	801.8	732.2 *to* 871.5	820.9	732.7 *to* 909.0
Oct	768.8	741.2 *to* 796.4	785.0	734.2 *to* 835.9	803.5	732.2 *to* 874.7	822.5	732.8 *to* 912.1
Nov	768.7	739.3 *to* 798.0	786.2	733.6 *to* 838.7	804.9	732.1 *to* 877.8	824.0	732.9 *to* 915.2
Dec	769.3	738.3 *to* 800.3	787.5	733.2 *to* 841.8	806.5	732.0 *to* 880.9	825.6	733.0 *to* 918.2

6.3 Forecast: Basic Electrical Equipment (2005=100)

Range is over 95% prediction intervals

	2015		2016		2017		2018	
	forecast	range	forecast	range	forecast	range	forecast	range
Jan			128.3	116.7 *to* 140.1	127.0	100.1 *to* 154.2	125.7	85.3 *to* 166.0
Feb			128.3	114.8 *to* 141.7	127.0	98.6 *to* 155.3	125.7	84.1 *to* 167.0
Mar			128.3	113.1 *to* 143.4	127.0	97.6 *to* 156.5	125.7	83.2 *to* 168.1
Apr			128.2	111.7 *to* 144.7	126.8	96.3 *to* 157.1	125.6	81.9 *to* 168.9
May			128.1	110.2 *to* 145.9	126.7	94.8 *to* 158.2	125.5	80.7 *to* 169.6
Jun			127.6	108.3 *to* 146.7	126.3	93.6 *to* 158.7	125.0	79.3 *to* 170.3
Jul			127.5	107.1 *to* 148.0	126.2	92.3 *to* 159.8	124.9	78.1 *to* 171.4
Aug			127.3	105.8 *to* 148.8	126.0	91.3 *to* 160.7	124.7	77.2 *to* 172.4
Sep			127.2	104.5 *to* 149.9	125.9	89.8 *to* 161.6	124.6	75.7 *to* 173.2
Oct			127.1	103.2 *to* 150.8	125.8	88.5 *to* 162.9	124.5	74.8 *to* 173.9
Nov	128.3	121.2 *to* 135.4	126.9	101.9 *to* 152.0	125.7	87.4 *to* 163.7	124.4	73.9 *to* 175.2
Dec	128.1	118.4 *to* 137.8	126.9	100.7 *to* 152.8	125.5	86.2 *to* 164.7	124.3	72.7 *to* 176.0

6.4 Forecast: Mechanical Engineering Materials (2005=100)

Range is over 95% prediction intervals

	2015		2016		2017		2018	
	forecast	range	forecast	range	forecast	range	forecast	range
Jan			132.1	121.5 *to* 142.7	131.7	107.8 *to* 155.8	131.5	96.3 *to* 167.3
Feb			132.0	120.0 *to* 144.1	131.7	106.8 *to* 156.9	131.5	95.1 *to* 168.1
Mar			132.1	118.7 *to* 145.6	131.8	105.9 *to* 157.7	131.6	94.5 *to* 169.1
Apr			132.0	117.3 *to* 146.6	131.7	104.7 *to* 158.7	131.4	93.3 *to* 170.0
May			132.0	116.1 *to* 147.9	131.6	103.7 *to* 159.7	131.4	92.4 *to* 171.0
Jun			131.6	114.6 *to* 148.6	131.2	102.3 *to* 160.2	131.0	90.9 *to* 171.6
Jul			131.6	113.5 *to* 149.5	131.2	101.4 *to* 161.2	131.0	90.1 *to* 172.2
Aug			131.6	112.6 *to* 150.5	131.2	100.4 *to* 162.4	131.0	89.1 *to* 173.5
Sep			131.5	111.5 *to* 151.2	131.2	99.4 *to* 163.0	131.0	88.0 *to* 174.4
Oct			131.5	110.6 *to* 152.2	131.2	98.8 *to* 164.0	131.0	87.4 *to* 175.2
Nov	132.1	125.6 *to* 138.7	131.5	109.5 *to* 153.4	131.3	97.7 *to* 165.0	131.1	86.5 *to* 176.3
Dec	132.0	123.2 *to* 140.8	131.5	108.5 *to* 154.5	131.3	96.7 *to* 166.1	131.0	85.4 *to* 177.2

7 Conversion Factors

The tables in this section are designed to make conversions easier. They give a single multiplication factor when converting from one series to another and avoid any intermediary calculations. For consistency, the figures are corrected to 5 decimal places.

7.1 Labour

7.1.1 Electrical Engineering

		TO		
		2010=100	**1980=100**	**1970=100**
FROM	**2010=100**	1.00000	7.62693	35.12200
	1980=100	0.13111	1.00000	4.60500
	1970=100	0.02847	0.21716	1.00000

7.1.2 Mechanical Engineering

		TO		
		2010=100	**1980=100**	**1970=100**
FROM	**2010=100**	1.00000	6.52690	29.96500
	1980=100	0.15321	1.00000	4.59100
	1970=100	0.03337	0.21782	1.00000

7.2 Materials

7.2.1 Basic Electrical Equipment

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.33940	1.68336	1.59077
	2005=100	0.74660	1.00000	1.25680	1.18768
	2000=100	0.59405	0.79567	1.00000	0.94500
	1995=100	0.62863	0.84198	1.05820	1.00000

7.2.2 Mechanical Engineering

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.29910	1.64167	1.60556
	2005=100	0.76976	1.00000	1.26370	1.23590
	2000=100	0.60913	0.79133	1.00000	0.97800
	1995=100	0.62284	0.80913	1.02249	1.00000

7.2.3 Industrial Electronics

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.47110	1.70618	1.46049
	2005=100	0.67976	1.00000	1.15980	0.99279
	2000=100	0.58610	0.86222	1.00000	0.85600
	1995=100	0.68470	1.00726	1.16822	1.00000

7.2.4 BISPA

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.37360	1.40794	1.44736
	2005=100	0.72801	1.00000	1.02500	1.05370
	2000=100	0.71026	0.97561	1.00000	1.02800
	1995=100	0.69091	0.94904	0.97276	1.00000

7.2.5 Large Power Transformers

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.12910	1.13012	1.18888
	2005=100	0.88566	1.00000	1.00090	1.05295
	2000=100	0.88486	0.99910	1.00000	1.05200
	1995=100	0.84113	0.94972	0.95057	1.00000

7.2.6 Distribution Transformers

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.50730	1.88488	1.74917
	2005=100	0.66344	1.00000	1.25050	1.16046
	2000=100	0.53054	0.79968	1.00000	0.92800
	1995=100	0.57170	0.86172	1.07759	1.00000

7.2.7 Factory Built Assemblies

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.64030	1.78268	1.83438
	2005=100	0.60964	1.00000	1.08680	1.11832
	2000=100	0.56095	0.92013	1.00000	1.02900
	1995=100	0.54514	0.89420	0.97182	1.00000

7.2.8 Basic Iron and Steel

		TO			
		2010=100	**2005=100**	**2000=100**	**1995=100**
FROM	**2010=100**	1.00000	1.51360	2.31066	1.81618
	2005=100	0.66068	1.00000	1.52660	1.19991
	2000=100	0.43278	0.65505	1.00000	0.78600
	1995=100	0.55061	0.83340	1.27226	1.00000

7.2.9 Composite Index

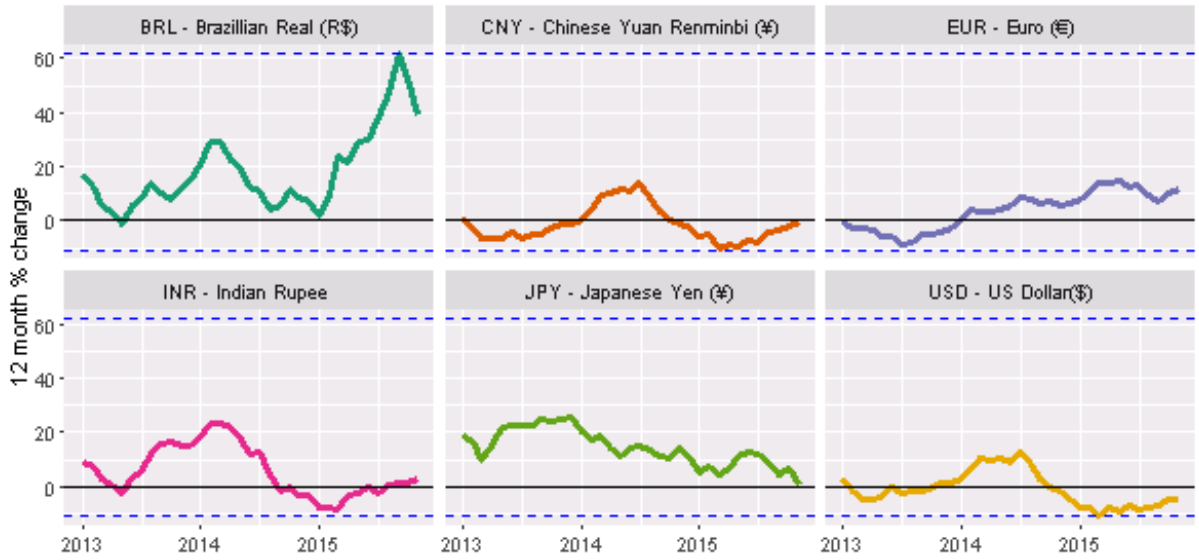
		TO		
		2010=100	**2005=100**	**1974=100**
FROM	**2010=100**	1.00000	1.21621	14.92106
	2005=100	0.82223	1.00000	12.26850
	1974=100	0.06702	0.08151	1.00000

Appendices

A Sterling Exchange Rates

	BRL	CNY	EUR	INR	JPY	USD
Nov 14	4.0262	9.6661	1.2650	97.3504	183.4516	1.5778
Dec 14	4.1226	9.6828	1.2686	98.1573	186.5555	1.5643
Jan 15	3.9940	9.4258	1.3032	94.1980	179.3579	1.5160
Feb 15	4.3111	9.5779	1.3493	95.1074	181.7842	1.5322
Mar 15	4.7921	9.2194	1.3707	92.6805	178.0185	1.4852
Apr 15	4.5534	9.5492	1.3863	97.7242	183.2957	1.5398
May 15	4.8250	9.4846	1.4037	97.6151	190.0056	1.5295
Jun 15	4.9143	9.7912	1.4031	100.4200	194.0522	1.5769
Jul 15	5.2404	9.7043	1.4265	100.0815	194.3652	1.5628
Aug 15	5.5903	9.8386	1.3745	102.3598	187.0301	1.5415
Sep 15	6.1466	9.6599	1.3566	100.2381	182.1279	1.5176
Oct 15	6.0028	9.6916	1.3953	99.6831	184.5961	1.5250
Nov 15	5.5999	9.6301	1.4193	100.2795	184.7063	1.5067

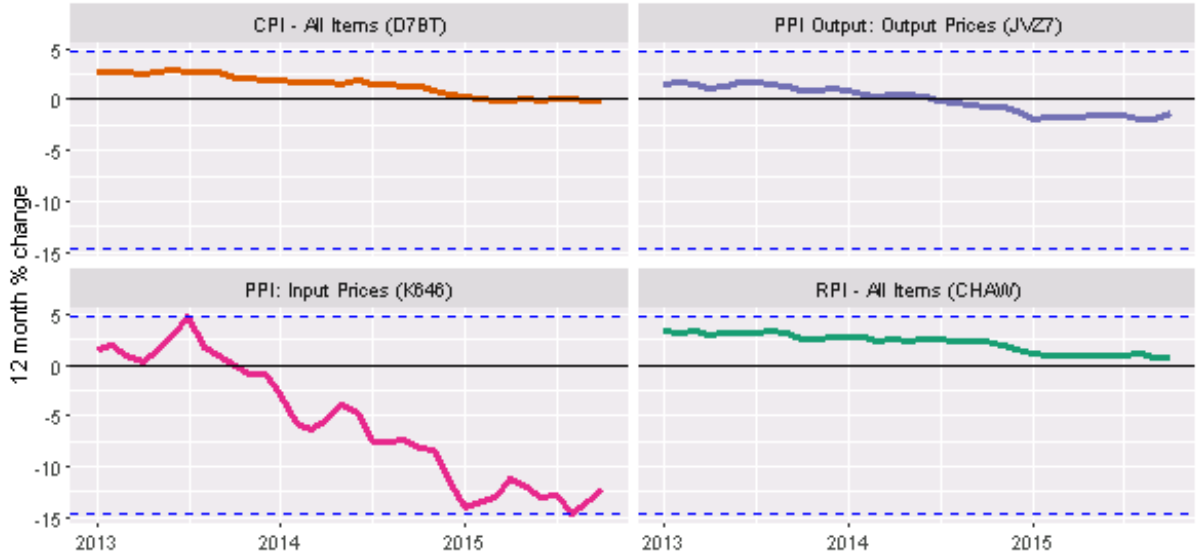
[source:*European Central Bank* (http://www.ecb.europa.eu)]



B UK Inflation Indices

	RPI-All Items	CPI-All Items	Output Prices	Input Prices
	CHAW	**D7BT**	**JVZ7**	**K646**
	Jan 1987=100	*2005=100*	*2010=100*	*2010=100*
Oct 14	257.7	128.5	107.7	106.2
Nov 14	257.1	128.2	107.6	105.4
Dec 14	257.5	128.2	107.1	101.9
Jan 15	255.4	127.1	106.6	98.2
Feb 15	256.7	127.4	106.8	98.4
Mar 15	257.1	127.6	106.9	98.5
Apr 15	258.0	128.0	107.0	99.8
May 15	258.5	128.2	107.1	99.1
Jun 15	258.9	128.2	107.1	96.9
Jul 15	258.6	128.0	106.9	95.5
Aug 15	259.8	128.4	106.4	92.6
Sep 15	259.6	128.2	106.3	93.1
Oct 15	259.5	128.4	106.3	93.3

[source: *Office for National Statistics* (http://www.ons.gov.uk)]



C BEAMA Standard Formulae

Symbols and Definitions

Symbol	Description
BEL	BEAMA Electrical Labour Cost Index
BML	BEAMA Mechanical Labour Cost Index
BEE	BEAMA Basic Electrical Equipment Cost Index
BMM	BEAMA Mechanical Engineering Cost Index
BFB	BEAMA Factory Built Assemblies Cost Index
BDT	BEAMA Distribution Transformer Cost Index
BIE	BEAMA Industrial Electronic Cost Index
BLT	BEAMA Large Power Transformer Index
BIS	BEAMA Basic Iron & Steel Cost Index
BIP	BEAMA Basic Iron & Steel Producers Cost Index
LMEcu	London Metal Exchange (www.lme.com) settlement price of copper grade A
TDEgoes	Price Index of materials for Grain Oriented Electrical Steel (GOES) published on the T&D Europe website (www.tdeurope.eu)
TDEoil	Price Index of materials for Insulating Oil published on the T&D Europe website (www.tdeurope.eu)
P_0	Initial Contract Price (FOB price for export contracts)
P_n	Final Contract Price (FOB price for export contracts)
I_0	Index value last published before date of Tender
I_n	Index value last published before the completion date
$I_{avg\|t:x-y}$	Average of Index (or Price) I, published between x% and y% of the contract period
$I_{avg\|mth:x,y,z}$	Average of Index (or Price) I, published for months of x, y & z after the contract start date ($I_{avg\|mth:n-x,n-y,n-z}$ is the average of I published for months of x, y&z before the completion date).
$I_{mth:0+x}$	Index (or Price) of I published x months after the date of Tender ($I_{mth:0}$ = published in month in which Tender date falls ; $I_{mth:0-2}$ = Index of I published 2 months before date of Tender; $I_{mth:n-x}$ =) published 2 months before the completion date
$I_{day:x}$	Index (or Price) published x days from the date of Tender ($I_{day:0}$ = published on the same day as the date of Tender ; $I_{day:0-2}$ = published 2 days before date of Tender)
$I_{date:agreed}$	Index (or Price) of I published on the *date* specified in advance by the Purchaser and *agreed* by the Contractor
$I_{date:order}$	Index (or Price) of I published on the *date* the Contractor places the *order* with the supplier

C.1 Electrical Machinery

$$P_n = \frac{P_0}{100}\left(5 + 47.5 \times \frac{BEE_{avg|t:40-80}}{BEE_0} + 47.5 \times \frac{BEL_{avg|t:33-100}}{BEL_0}\right)$$

C.2 Mechanical Plant

$$P_n = \frac{P_0}{100}\left(5 + 47.5 \times \frac{BMM_{avg|t:40-80}}{BMM_0} + 47.5 \times \frac{BML_{avg|t:33-100}}{BML_0}\right)$$

C.3 Industrial Electronic Equipment

$$P_n = \frac{P_0}{100}\left(5 + 32 \times \frac{BIE_{avg|t:40-80}}{BIE_0} + 63 \times \frac{BML_{avg|t:33-100}}{BML_0}\right)$$

C.4 Rotating Electrical Machinery

$$P_n = \frac{P_0}{100}\left(5 + 40 \times \frac{BEE_{avg|t:58-75}}{BEE_0} + 55 \times \frac{BEL_{avg|t:58-100}}{BEL_0}\right)$$

C.5 Distribution Transformers < 10 MVA

$$\begin{aligned} P_n &= \frac{P_0}{100}\left(5 + 35 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + x \times \frac{BLT_{mth:n-2}}{BLT_{mth:0}} + y \times \frac{LMEcu_{date:agreed}}{LMEcu_{day:0}}\right) \\ x + y &= 60 \end{aligned}$$

y is the proportion of the contract price at the date of tender wholly related to copper (i.e. the weight of copper multiplied by the cost per kilo of copper at tender date, expressed as proportion of the contract price at date of tender. This proportion should be scaled down by 60% to preserve the material proportion of the formula.)

C.6 Distribution Transformers ≥ 10 MVA

$$\begin{aligned} P_n &= \frac{P_0}{100}\left(5 + 47.5 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + x \times \frac{BLT_{mth:n-2}}{BLT_{mth:0}} + y \times \frac{LMEcu_{date:agreed}}{LMEcu_{day:0}} + z \times \frac{TDEoil_n}{TDEoil_0}\right) \\ x + y + z &= 47.5 \end{aligned}$$

y is the proportion of the contract price at the date of tender wholly related to copper (the weight of copper multiplied by the cost per kilo of copper at tender date, expressed as proportion of the contract price at date of tender).

z is the proportion of the contract price at date of tender which is wholly related to insulating oil (i.e. the quantity of insulating oil multiplied by the cost per litre of insulating oil at tender date, expressed as a proportion of the contract price at date of tender).

C.7 Large Power Transformers

$$\begin{aligned} P_n = \frac{P_0}{100}\Big(5 &+ 25 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + 20 \times \frac{BLT_{mth:n-2}}{BLT_0} + 20 \times \frac{BIS_{mth:n-2}}{BIS_0} \\ &+ 15 \times \frac{LMEcu_{order|day:1}}{LMEcu_{day:0}} + 5 \times \frac{TDEoil_{n-2}}{TDEoil_{mth:0-1}} + 5 \times \frac{TDEgoes_{n-2}}{TDEgoes_{mth:0-1}}\Big) \end{aligned}$$

C.8 Turbo Generating & Allied Plant

$$P_n = \frac{P_0}{100}\left(5 + 47.5 \times \frac{BEL_{avg|t:33-100}}{BEL_0} + 33.25 \times \frac{BIS_{avg|t:40-80}}{BIS_0} + 14.25 \times \frac{BMM_{avg|t:40-80}}{BMM_0}\right)$$

C.9 Distribution Feeder Pillars

$$P_n = \frac{P_0}{100}\left(5 + 56 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0-1}} + 39 \times \frac{BEE_{mth:n-1}}{BEE_{mth:0-1}}\right)$$

C.10 Switchgear $\leq 36kV$

$$P_n = \frac{P_0}{100}\left(5 + 45 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + 50 \times \frac{BEE_{mth:n-1}}{BEE_{mth:0-1}}\right)$$

C.11 Switchgear $> 36kV$

$$P_n = \frac{P_0}{100}\left(5 + 45 \times \frac{BEL_{avg|mth:n-3,n-2,n-1}}{BEL_{mth:0}} + 50 \times \frac{BEE_{avg|mth:n-4,n-3}}{BEE_{mth:0}}\right)$$

C.12 Factory Built Assemblies for Control Equipment

$$P_n = \frac{P_0}{100}\left(5 + 47.5 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + 47.5 \times \frac{BFB_{mth:n-1}}{BFB_{mth:0}}\right)$$

C.13 Factory Built Assemblies for Low Voltage Switchgear

$$P_n = \frac{P_0}{100}\left(5 + 47.5 \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + 47.5 \times \frac{BEE_{mth:n-1}}{BEE_{mth:0}}\right)$$

C.14 Service and Maintenance (Electrical)

$$\begin{aligned} P_n &= \frac{P_0}{100}\left(5 + x \times \frac{BEL_{mth:n-1}}{BEL_{mth:0}} + y \times \frac{BEE_{mth:n-1}}{BEE_{mth:0}}\right) \\ 95 &= x + y \end{aligned}$$

C.15 Service and Maintenance (Mechanical)

$$\begin{aligned} P_n &= \frac{P_0}{100}\left(5 + x \times \frac{BML_{mth:n-1}}{BML_{mth:0}} + y \times \frac{BMM_{mth:n-1}}{BMM_{mth:0}}\right) \\ 95 &= x + y \end{aligned}$$

C.16 Electrical / Mechanical Contracts

$$P_n = \frac{P_0}{100}\left(5 + 23.75 \times \frac{BEE_{avg|t:40-80}}{BEE_0} + 23.75 \times \frac{BEL_{avg|t:33-100}}{BEL_0} + 23.75 \times \frac{BMM_{avg|t:40-80}}{BMM_0} + 23.75 \times \frac{BML_{avg|t:33-100}}{BML_0}\right)$$

D Publication Dates - 2015

Issue	Publication Date
545	30 Jan 2015
546	27 Feb 2015
547	31 Mar 2015
548	30 Apr 2015
549	30 May 2015
550	30 Jun 2015
551	31 Jul 2015
552	31 Aug 2015
553	30 Sep 2015
554	30 Oct 2015
555	30 Nov 2015
556	04 Jan 2016