

<p><b>Editors</b>  Davis Langdon LLP  MidCity Place  71 High Holborn  London WC1V 6QS  Tel: 0207 061 7000  Fax: 0207 061 7061  E-mail: <a href="mailto:data.enquiry@davislangdon-uk.com">mailto:data.enquiry@davislangdon-uk.com</a></p>	<p><b>Spon's  Price Book  Update  2005</b></p> <p><b>Nr. 2</b></p>
<p><b>Publishers</b>  Taylor &amp; Francis  2 Park Square  Milton Park, Abingdon  Oxon OX14 4RN  Tel: 0207 017 6001  Fax: 0207 017 6699  Web: <a href="http://www.pricebooks.co.uk/">http://www.pricebooks.co.uk/</a></p>	
<p><b>INCORPORATING CHANGES UP TO 1<sup>st</sup> FEBRUARY 2005</b></p>	

The *Update* covers the *Architects' and Builders' Price Book*, the *Civil Engineering and Highway Works Price Book*, the *Landscape and External Works Price Book* and the *Mechanical and Electrical Services Price Book*. Details of changes in material prices, wage rates etc. are given and the various indices and adjustment factors presented in the books are brought up to date.

Each of the Price Books is dealt with separately in its own section of the *Update*. Information on changes to the *Architects' and Builders' Price Book* appear on pages 5 to 9, the *Civil Engineering and Highway Works Price Book* on pages 10 to 11, the *Landscape and External Works Price Book* on pages 12 to 13 and the *Mechanical and Electrical Services Price Book* on pages 14 to 24.

Corrections are headed '*Erratum*' and boxed to distinguish them from updated information.

Since the 2002 edition, each series of published updates throughout the year no longer includes a complete history of prior changes. Therefore, if, at any time, you have not previously obtained a copy of an earlier *Update*, please go on-line at [www.Pricebooks.co.uk](http://www.Pricebooks.co.uk) to download a version.

Year 2006 editions of Spon's Price Books will be available in September 2005.

**Unless otherwise stated, wages and prices within the four books are still current.**

## Executive Summary

- Construction output for 2004 exceeded £100bn for the first time
- Materials prices are still rising at a historically high pace, fuelled by high oil prices and transportation costs
- Tender prices rose by 2.0% in Greater London in the fourth quarter 2004, following a period of stability, and have risen 3.9% over the year since fourth quarter 2003
- Davis Langdon's first quarter 2005 tender index forecast at 455 equates to the price level used to compile prices in the Major Works section of *Spon's Architects' and Builders' Price Book 2005 edition*.

## Construction output

Total construction output has increased every year since 1994, reflecting the trend of the overall economy. Between 1994 and 2003 the volume of work in the industry grew by 24% in real terms. Final figures for 2004 are not yet available but it looks like the industry grew by another 3.5%, taking the annual value of work above £100bn for the first time.

New work output eased back slightly in both 2000 and 2001 as the industrial sector began its retrenchment and private housing took a breather. But overall new work output has grown by 23% to 2003 with construction activity in 2004 rising by something like 7%, precipitating construction price inflation nationally. In money terms, the surge has come from private housing and public non-housing work and it is primarily how these two sectors perform during 2005 that will determine whether the size of the industry will be maintained. Early in 2005, the signs are looking a little more optimistic than at the end of 2004.

## Forecasts

The strength of new orders secured by contractors during 2004 is likely to ensure high capacity utilization in most regions through 2005. New work output is expected to rise by forecasters such as the Construction Products Association and Experian by 2.7 to 4.5% over the high levels of 2004.

The economy may not be as strong as Gordon Brown tries to make out. Surveys show that business sentiment has dipped. Independent forecasters believe GDP growth this year may be nearer 2.5% than the Treasury's forecast of 3-3.5.

However, construction price rises over the year ahead may be higher than 2004 trends due to:

- Materials prices, which are still rising at a historically high pace, fuelled by high oil prices and transportation costs
- Labour shortages, which continue to drive up both site labour rates and national agreement rates, rising by between 3 and 10% during 2005
- Construction output continuing to rise
- Full order books.

## National Wage Awards between editions

Below we include a schedule indicating revisions to national wage awards expected within this series of three *Updates* for the 2005 editions.

<b>Agreements in books</b>	<b>Next review: in 2005 editions</b>	<b>Notes:</b>
1. Building and Civil Engineering Industry wages (third part of a three-year agreement) <i>Spon's A&amp;B 2005 pp 77-78, 84-86</i> <i>Spon's CE 2005 pp 33-38</i>	27 June 2005  28 June 2004 28 June 2004	Planned for Spon's 2006 editions (basic rates will rise by 9.5%)
2. BATJIC wages <i>Spon's A&amp;B 2005 p 78</i>	13 June 2005 7 June 2004	Planned for Spon's 2006 editions (increase not yet determined)
3. The Joint Industry Board for Plumbing Mechanical Engineering Services in England and Wales (second part of a two-year agreement) <i>Spon's A&amp;B 2005 pp 79, 87</i> <i>Spon's M&amp;E 2005 pp 546-548</i>	3 January 2005  5 January 2004 5 January 2004	Details of the revised wage agreement are included in this <i>Update</i> (basic rates will rise by 6.0%)
4. Scottish and Northern Ireland joint Industry Board for the Plumbing Industry <i>Spon's A&amp;B 2005 p 80</i>	30 May 2005  22 March 2004	The next wage agreement will be included in <i>Update 2005/3</i> (basic rates will rise by 5.0 – 6.6%)
5. New wages for Agricultural workers as Order 2004 (Number 1) <i>Spon's Landscape 2005 p 8</i>	1 October 2004  1 October 2003	Details of the revised wage agreement were included in <i>Update 2005/1</i>
6. The Joint Conciliation Committee of the Heating, Ventilating and Domestic Engineering Industry (second part of a three-year agreement) <i>Spon's M&amp;E 2005 pp 51-55, 541-545</i>	3 October 2005  4 October 2004	Planned for Spon's 2006 editions (basic rates will rise by 5.1%)
7. The Joint Industry Board for the Electrical Contracting Industry (first part of a new three-year agreement) <i>Spon's M&amp;E 2005 pp 411-413, 549-554</i>	10 January 2005  5 January 2004	Details of the revised wage agreement are included in this <i>Update</i> . <i>National rates will rise by 3.7% and London rates by 3.3 – 6.2%.</i>

## Hot Rates

As usual we include examples of 'key' rates across a number of trades. The rates are for Standard Method of Measurement of Building Works level items and are representative of schemes with straightforward access and normal ground conditions for medium sized building projects in the £1-10m total value range. Rates include for overheads and profit but exclude any allowance for preliminaries. Within regions rates can vary considerably. The rates shown are averages from successful competitively bid tenders received over the last three months.

Description	Unit	Sample	Spon's A&B 2005 rates £	Tender rates average £	Tender rates range £
Excavate trenches; > 0.3m x 2m deep	m3	4	6.25	7.59	5.70 – 8.40
Disposal off site	m3	10	15.50	15.33	13.06 – 17.83
Hardcore Filling; > 250mm thick	m3	5	25.78	28.52	27.00 – 31.00
Granular Filling; type 2; < 250mm thick	m3	5	28.68	36.89	31.00 – 47.87
Plain in situ concrete in foundations	m3	5	83.21	87.28	75.27 – 96.04
Reinforced in situ concrete in beds not exceeding 150mm	m3	7	95.73	90.90	81.37 – 100.99
Reinforced in situ concrete in suspended slabs 150 - 450mm	m3	2	107.43	103.49	98.03 – 108.96
Formwork to foundations 250 – 500mm	m	7	17.23	14.82	9.45 – 18.30
Formwork to soffit of slabs	m2	2	30.98	33.40	32.35 – 34.45
16mm diameter hot rolled mild steel bars to BS 449	tonne	6	835.83	947.79	844.07 – 1079.71
Mesh fabric reinforcement A193 (3.02 kg/m2)	m2	3	3.45	3.78	3.55 – 4.04
Mesh fabric reinforcement A393 (6.16 kg/m2)	m2	5	5.73	5.87	5.35 – 6.32
Facing bricks in half brick wall	m2	6	45.42	55.99	48.18 – 57.15
100mm Blockwork	m2	5	17.98	22.10	20.13 – 24.37
140mm Blockwork	m2	6	22.23	27.76	26.03 – 29.18
Structural steelwork including erection members	tonne	5	1328.99	1166.98	1131.90 – 1218.75
50 x 100mm Sawn softwood floor	m	1	3.23	3.38	3.38 – 3.38
13mm Plaster to walls	m2	6	9.58	9.34	9.30 – 10.87
3mm Skim coat to walls	m2	2	4.48	4.90	4.80 – 5.00
12.5mm Plasterboard to ceilings	m2	4	8.46	8.27	7.43 – 9.77
12.5mm Plasterboard to walls with skim coat	m2	2	12.34	11.80	10.20 – 13.40
One mist and two coats of emulsion	m2	6	3.03	3.31	2.58 – 4.05
100mm 'Supersleve' vitrified clay drainage pipes	m	8	6.52	7.19	5.85 – 7.36

---

# Spon's Architects' and Builders' Price Book 2005

---

## Major and Minor Measured Works Prices

pp. 83 to 696

### Plumbing Operatives all-in rate per hour

p. 87

The all-in rate for plumbing operatives rose by approximately +6% following a national increase to hourly rates on 3<sup>rd</sup> January 2005.

Together with 7.5% overheads and profit, this will have the effect of adding approximately + 6.4% to the labour content of all above-ground plumbing items in sections R, S and T in both the Major and Minor Works sections of this book.

		Technical Plumber		Trained Plumber	
		£	£	£	£
Wages at standard basic rate productive time	1687.5 hrs	12.02	20,283.75	9.28	15,660.00
	0				
Overtime (paid at std basic rate)	225.00 hrs	12.02	2,704.50	9.28	2,088.00
Overtime	0.00 hrs	18.03	0.00	13.92	0.00
Plumbers welding supplement	1912.5 hrs	0.46	879.75		0.00
	0				
(gas and arc)					
			23,868.00		17,748.00
Tool allowance - now discontinued					
Employer's contributions to holiday credit/welfare stamps (to provide for 30 days) pension (6.5% of earnings)	52.00 wks	62.50	3,250.00	48.20	2,506.40
Holiday Top-up funding (Provided by employer)	46.20 wks	38.16	1,762.99	28.50	1,316.70
National Insurance	52.00 wks	0.04	2.08	0.01	0.52
	47.00 wks	53.36	2,507.92	36.69	1,724.43
			31,390.99		23,296.05
Severance pay and sundry costs	Plus	1.5%	470.86	1.5%	349.44
			31,861.85		23,645.49
Employers liability and third-party insurance	Plus	2.0%	637.24	2.0%	472.91
			32,499.09		24,118.40
<b>Total cost per annum</b>			<b>£ 32,499.09</b>		<b>£ 24,118.40</b>
<b>Total cost per hour</b>			<b>£ 16.99</b>		<b>£ 12.61</b>
<b>Average all-in rate per hour</b>					<b>£ 14.80</b>

*Erratum*  
*pp. 157 to 158*

Six items of Class B Engineering brick walls, printed at the bottom of page 157, have been replicated at the top of page 158.

Please ignore/delete the items at the bottom of page 157.

The following table shows the main changes in materials and fuel costs as reflected in the Office for National Statistics Producer Price Indices:

<b>Industry generally</b>	Percentage change over the last 12 months Jan 2004 to Jan 2005*	Percentage change over the last 9 months April 2004 to Jan 2005*
Consumer Prices Index (CPI)	+ 1.6%	+ 0.8%
Materials and fuels purchased by manufacturing industry	+ 9.5%	+ 7.6%
Materials and fuel purchased by manufacturing industry excluding food, beverages, tobacco and petroleum industries	+ 7.2%	+ 6.4%

More specific figures from the DTI's Monthly Statistics of Building Materials and Components show that, since the spring of 2004, when the majority of Spon's prices were collected, overall construction material prices have risen as follows:

	Percentage change over the last 8 months April 2004 to Dec 2004*
Construction materials generally	+ 4.2%
Non-house building materials (other work)	+ 6.3%
House building materials	+ 1.45%
Repair and maintenance	+ 2.53%

\* Provisional figures

We have been advised of the following significant material price changes since the 2005 Price Books were compiled in the spring of 2004, and, more recently, some manufacturers have been adding energy surcharges to their invoices due to the current high price of oil.

<b>Key Materials</b>	<b>Percentage change</b>
Clay pipes and fittings	+ 7%
Common bricks	+ 17%
Concrete roof tiles	+ 4% to + 5%
Facing and other bricks	+ 10% to + 15%
Glass	+ 12%
Hardcore	+ 5%
Plaster	+ 3.5%
Plasterboard partitions and linings	+ 3% to + 5%
Plasterboard metalwork	+ 30% to + 35%
Ready-mixed concrete	+ 6%
Reinforcement	+ 15%
Sand and gravel	+ 7%
Steel hollow sections	+ 17.5%
Structural steelwork	+ 15%
Thermalite blocks	+ 6%
UPVC drains	+ 6%

## **Approximate Estimating**

### **Building Costs and Tender Prices Index**

#### **Building Costs**

*p. 699*

The table of building cost indices may be updated as follows:

<i>Year</i>	<i>First quarter</i>	<i>Second quarter</i>	<i>Third quarter</i>	<i>Fourth quarter</i>	<i>Annual average</i>
2004	579	586	617	619 (P)	600 (P)
2005	622 (F)				

#### **Tender Prices**

*p. 700*

The table of tender price indices may be updated as follows:

<i>Year</i>	<i>First quarter</i>	<i>Second quarter</i>	<i>Third quarter</i>	<i>Fourth quarter</i>	<i>Annual average</i>
2004	434	436	442	451 (P)	441 (P)
2005	455				

Our February 2005 Cost Forecast anticipated that tender prices may rise by 3.5% to 4.5% over the year ahead, but these predictions are constantly under review and a new forecast will be published in 'Building' in Spring 2005.

## Regional Variations

pp. 701 to 703

The table below indicates how building prices vary around the country. The figures are averages and, inevitably, not all trades or items of work will vary exactly in line with the differences shown. However the figures provide general indications of what variations can be expected. The principal driving force behind the variations is differing labour rates between the regions.

The table indicates current variations in price level from outer London for the various regions of the UK. It also shows a forecast first quarter 2005 tender price index for each region, based upon an outer London forecast figure of 455 and the percentage adjustments advised to the Major Works measured rates section of *Spon's Architects' and Builders' Price Book 2005*, based on an index of 455 (1976=100).

	Forecast first quarter 2005 tender price index 455*	% adjustment to <i>Spon's Major Works section</i> 455
Outer London	455	none
Inner London	490	+ 8
East Anglia	390	- 14
East Midlands	364	- 20
Northern	355	- 22
Northern Ireland	273	- 40
North West	368	- 19
Scotland	364	- 20
South East	420	- 8
South West	368	- 19
Wales	360	- 21
West Midlands	368	- 19
York/Humberside	345	- 24

\* Mid-point of forecast range from the *Tender Price Forecast* published 4 February 2005

The figures represent broad averages for the regions. Differences will occur within regions and further adjustments will be needed for city centre or isolated locations.

## Building Prices per Functional Unit/Building Prices per Square Metre Approximate Estimates

pp. 705 to 837

### Erratum P 709

The tender price index for the Building Prices per Square Metre section, specified in paragraph one, is 455 (1976=100), and not 435, as indicated

Building prices given under these headings are average prices on a 'fluctuating basis' for typical buildings based upon DL's tender price index level of 455. (1976=100). The forecast index for the first quarter of 2005 is 455. Therefore prices in these sections reflect current levels in the Outer London area.

## Cost Limits and Allowances

### HOSPITAL BUILDINGS

*p. 839*

These allowances can be updated in accordance with the latest MIPS indices. The latest figures and forecasts available from Quarterly Briefing are:

	<b>Firm price tenders</b>	<b>Variation of price tenders</b>
2003 Q1	379	387
2003 Q2	400	389
2003 Q3	400	391
2003 Q4	408 (P)	396 (P)
2004 Q1*	419	411
2004 Q2*	425	416
2004 Q3*	430	419
2004 Q4*	436	426

\* Forecasts

### Property Insurance

*pp. 873 to 875*

The allowances for inflation should be updated in accordance with the latest cost and tender indices for pages 699-700. Longer term forecast figures for updating the PROPERTY INSURANCE EXAMPLE are as follows:

	<b>4Q Cost Index</b>	<b>4Q Tender Index</b>
2004	619	451
2005	666	472
2006	690	493
2007	715	515

---

# Spon's Civil Engineering and Highway Works Price Book 2005

---

## Resources

### Basic Materials Prices

pp. 39 to 116

Concrete supply prices have risen by approximately 6%. Further information on other material price changes are provided in the *Spon's Architects' and Builders' Price Book* section of this *Update*.

### Unit Costs

pp. 149 to 480

Published prices are still relevant

### Cost and Tender Prices Indices

#### Price Adjustment Formula Indices

pp. 549 to 550

The table of Price Adjustment Formulae Indices may be supplemented as follows:

Year	Q	1	2	3	4	5	6	7	9	10	11a
2003	1	1319	959	1668	1699	1134	1758	2824	2639	879	351
	2	1325	965	1729	1715	1123	1758	2935	2113	901	360
	3	1405	989	1729	1706	1117	1738	2816	2142	915	361
	4	1405	994	1642	1720	1117	1738	2819	2250	926	361
2004	1	1406	999	1697	1787	1116	1769	2906	2268	999	437
	2	1415	1006	1882	1754	1122	1777	2927	2510	1068	551
	3	1506	1038	1667	1780	1133	1777	2929	2952	1033	546
	4	1506*	1042*	1602*	1790*	1135*	1820*	2942*	2963*	974*	564*

\* Provisional

**Note:** The figures published relate to the third month of each quarter.

#### A Constructed Cost Index based on the Price Adjustment Formula indices

pp. 551 to 552

The table of the Constructed Civil Engineering Cost Index may be supplemented as follows:

Year	First quarter	Second quarter	Third quarter	Fourth quarter	Annual average
2003	1459	1477	1505	1495	1484
2004	1502	1559	1596	1603*	1565*

\* Provisional

## **The Road Construction Price Index**

*pp. 553 to 554*

Latest figures for civil engineering tender prices as measured by the DETR's 'Tender Price Index of Road Construction' are reproduced below:

The DETR has recently rebased its series of indices from 1990 = 100 to 1995 = 100. To convert these figures to 1990 = 100 the multiplier is 1.245.

### Tender Price Index of Road Construction - Base 1995 =100

<i>Year</i>	<i>First quarter</i>	<i>Second quarter</i>	<i>Third quarter</i>	<i>Fourth quarter</i>	<i>Annual average</i>
2003	123	122	118	119	121
2004	121*	123*			

\* Provisional

Source : DETR

## **Approximate Estimates**

### **Industrial and Commercial Buildings and Civil Engineering Facilities**

*pp. 575 to 576*

Building prices per square metre given under this heading are average prices on a 'fluctuating basis' for typical buildings based upon DL's tender price index level of 450. (1976=100). The forecast index for the first quarter of 2005 is 455. Therefore prices in this section should be increased by approximately + 1% to reflect current levels in the Outer London area.

# Spon's Landscape and External Works Price Book 2005

## Cost Information

### Rates of Wages

#### 2.2.2 Agricultural Wages, England and Wales

p. 8

#### *Erratum*

*p 8*

In the **Agricultural Wages, England and Wales** table, the Unit for the Overtime pay rates should be £/hour, and not £/week, as indicated

As from 1 October 2004, minimum rates for Agricultural workers have increased by approximately 5% for standard workers and 5.8% for Craft and Appointment grades, from those effective 1 October 2003. A number of other minor technical and drafting amendments have also been made.

#### **New Agricultural rates from 1 October 2004**

Age	Unit	Basic pay	Craft Grade	Appointment Grade	
			Certificate and NVQ3	Grade 2	Grade 1
Weekly pay:					
19+	£/ week	210.60	243.43	263.25	284.31
18	£/ week	179.01			
17	£/ week	147.42			
16	£/ week	126.36			
15 & under	£/ hour	2.70			
Overtime pay:					
19+	£/ hour	8.10	9.56	10.13	10.94
18	£/ hour	6.89			
17	£/ hour	5.67			
16	£/ hour	4.86			
15 & under	£/ hour	4.05			

Copies of the Agricultural Wages Order 2004 (Number 1) may be obtained from The Agricultural Wages Board for England and Wales.

### 3.6 COST INDICES

#### **The Constructed Landscaping Cost Index**

*p. 22*

The *Constructed Landscaping (Hard Surfacing and Planting) Cost Index* may be updated as follows:

<i>Year</i>	<i>First quarter</i>	<i>Second quarter</i>	<i>Third quarter</i>	<i>Fourth quarter</i>	<i>Annual average</i>
2003	577	582	603	602	591
2004	602	610	639	640*	623*
2005	638*				

\* Provisional

#### **Prices for Measured Works**

*pp. 71 to 254*

##### **Materials prices**

Reference should be made to the material prices changes notified in the *Spon's Architects' and Builders' Price Book* section of this *Update*.

---

# Spon's Mechanical and Electrical Services Price Book 2005

---

## Approximate Estimating

### DIRECTIONS

*Erratum*  
*p 3*

The prices shown in this section of the book relate to the second quarter of 2004, and not the second quarter of 2003, as indicated

### COST INDICES

*p. 4*

The tables of cost indices for Mechanical Services and Electrical Services should be revised as follows:

#### Mechanical Services

<i>Year</i>	<i>First quarter</i>	<i>Second quarter</i>	<i>Third quarter</i>	<i>Fourth quarter</i>
2002	410	411	410	442
2003	443	446	447	453
2004	458	463	467	484 (P)
2005	485 (F)	487 (F)	489 (F)	503 (F)

#### Electrical Services

<i>Year</i>	<i>First quarter</i>	<i>Second quarter</i>	<i>Third quarter</i>	<i>Fourth quarter</i>
2002	508	508	508	513
2003	530	533	533	541
2004	571	574	576	588 (P)
2005	606 (F)	607 (F)	608 (F)	618 (F)

## **Mechanical Installations**

### **DIRECTIONS**

#### **MECHANICAL AND DUCTWORK INSTALLATIONS**

*pp 51 to 55*

*Erratum*

*p. 51*

#### **MECHANICAL INSTALLATIONS**

The addition to labour rates to cover site and head office overheads should be 21.98%, and not 20%, as indicated

#### **Material Costs/Measured Work Prices – Mechanical Installations**

*pp. 57 to 410*

According to national statistics, the average inflation in mechanical engineering materials prices over the past year from Dec 2003 to Dec 2004, is + 11.2%. The most significant material price rise noted is +12.5% for Steel tubes and fittings.

### **DIRECTIONS**

#### **ELECTRICAL INSTALLATIONS**

*pp. 412 to 413*

*Erratum*

*p. 412*

#### **LABOUR RATE – ELECTRICAL**

In the annual cost of a notional eleven man gang table, the hourly rates displayed apply to an operative date of 5 January 2004, and not 6 January 2003, as indicated

#### **LABOUR RATE - ELECTRICAL**

*pp. 412 to 413*

The inclusive man-hour cost for electrical operatives rose by approximately +5.0% following a national increase to hourly rates on 10<sup>th</sup> January 2005.



Notes:

- (1) The following assumptions have been made in the above calculations:-
- (a) Hourly rates are based on London rate and job reporting own transport.
  - (b) The working week of 37.5 hours is made up of 7.5 hours Monday to Friday.
  - (c) Five days in the year are lost through sickness or similar reason.
  - (d) A working year of 2025 hours.
- (2) The incentive scheme addition of 5% is intended to reflect bonus schemes typically in use.
- (3) National insurance contributions are those effective from **6 April 2004**.
- (4) Weekly Holiday Credit/Welfare Stamp values are those effective from **27 September 2004**

## **Material Costs/Measured Work Prices – Electrical Installations**

*pp. 415 to 539*

According to national statistics, the average inflation in electrical materials prices over the past year from Dec 2003 to Dec 2004, is + 10.2%. The most significant material price rise noted is +9.2% for Lighting equipment and electric lamps.

## **Rates of Wages**

### **Mechanical Installations**

#### **PLUMBING MECHANICAL ENGINEERING SERVICES INDUSTRY**

*pp. 546 to 548*

New basic rates of pay apply from 3 January 2005

Applicable in England and Wales	<i>Hourly rate</i> £
<b>Operatives</b>	
Technical plumber and gas service technician	12.02
Advanced plumber and gas service engineer	10.82
Trained plumber and gas service fitter	9.28
<b>Apprentices</b>	
4th year of training with NVQ level 3	8.99
4th year of training with NVQ level 2	8.13
4th year of training	7.16
3rd year of training with NVQ level 2	7.08
3rd year of training	5.82
2nd year of training	5.16
1st year of training	4.51
<b>Adult Trainees</b>	
3rd 6 months of employment	8.10
2nd 6 months of employment	7.76
1st 6 months of employment	7.25

## Daily travel time allowance plus return fares – effective as from 3 January 2005

All daily travel allowances are to be paid at the daily rate as follows :

Over	Not exceeding	All Operatives	3rd & 4 <sup>th</sup> Year Apprentices	1st & 2nd Year Apprentices
20	30	£3.39	£2.16	£1.34
30	40	£7.92	£5.09	£3.23
40	50	£9.07	£5.39	£3.41

### Responsibility/incentive pay allowance (unchanged)

As from Monday 3<sup>rd</sup> September 2003, employers may, in consultation with the employees concerned, enhance the basic graded rates of pay by the payment of an additional amount, as per the bands shown below, where it is agreed that their work involves extra responsibility, productivity or flexibility.

Band 1 -an additional rate of £ 0.24 per hour

Band 2 -an additional rate of £ 0.44 per hour

Band 3 -an additional rate of £ 0.64 per hour

Band 4 -an additional rate of £ 0.84 per hour

This allowance forms part of an operative's basic rate of pay and shall be used to calculate premium payments.

**Mileage allowance** .....£0.30 per mile

**Lodging allowance** .....£21.00 per night

**Subsistence Allowance (London Only)** .....£4.18 per night

### Plumbers welding supplement

Possession of Gas or Arc Certificate .....£0.27 per hour

Possession of Gas and Arc Certificate .....£0.46 per hour

### Weekly Holiday Credit Contributions (Public and Annual Holidays 2005 - 30 days- 33rd Issue Stamps Option)

	Gross Credit Value, £	Gross Holiday Value*, £
Technical Plumber and Gas Service Technician	62.50	58.90
Advance Plumber and Gas Service Engineer	56.20	53.00
Trained Plumber and Gas Service Fitter	48.20	45.50
Adult Trainee	36.20	35.20
Apprentice in last year of training	36.20	35.20
Apprentice 3rd year	26.00	25.20
Apprentice 2 <sup>nd</sup> year	23.10	22.40
Apprentice 1st year	20.10	19.50
Working Principal	26.20	24.50
Ancillary Employee	31.70	30.00

\* Gross holiday value is the gross credit value less JIB administration value.

## Rates of Wages

### Electrical Installations

#### ELECTRICAL CONTRACTING INDUSTRY

pp 549 to 554

The Joint Industry Board for the Electrical Contracting Industry has agreed a three year wage agreement for 2005 – 2007 with effect from 26<sup>th</sup> July 2004.

From and including 10<sup>th</sup> January 2005, the JIB hourly rates of wages shall be as set out below:

(i) **National Standard Rate:**

Grade	Transport Provided	Own Transport
<b>Technician</b> (or equivalent specialist grade)	£ 12.29	£ 12.91
<b>Approved Electrician</b> (or equivalent specialist grade)	£ 10.84	£ 11.46
<b>Electrician</b> (or equivalent specialist grade)	£ 9.94	£ 10.57
<b>Senior Graded Electrical Trainee</b>	£ 8.95	£ 9.51
<b>Electrical Improver</b>	£ 8.95	£ 9.51
<b>Labourer</b>	£ 7.89	£ 8.48
<b>Adult Trainee</b>	£ 7.89	£ 8.48
<b>Adult Trainee</b> (under 21)	£ 5.92	£ 6.36

(ii) **London Rate:**

Grade	Transport Provided	Own Transport
<b>Technician</b> (or equivalent specialist grade)	£ 13.76	£ 14.46
<b>Approved Electrician</b> (or equivalent specialist grade)	£ 12.14	£ 12.84
<b>Electrician</b> (or equivalent specialist grade)	£ 11.13	£ 11.84
<b>Senior Graded Electrical Trainee</b>	£ 10.02	£ 10.65
<b>Electrical Improver</b>	£ 10.02	£ 10.65
<b>Labourer</b>	£ 8.84	£ 9.50
<b>Adult Trainee</b>	£ 8.84	£ 9.50
<b>Adult Trainee</b> (under 21)	£ 6.63	£ 7.12

### 1999 Joint Industry Board Apprentice Training Scheme

From and including 10<sup>th</sup> January 2005, the JIB hourly rates for Job Employed apprentices shall be:

(i) **National Standard Rate:**

	Transport Provided	Own Transport
<b>Stage 1</b>	£ 3.47	£ 4.07
<b>Stage 2</b>	£ 5.12	£ 5.72
<b>Stage 3</b>	£ 7.41	£ 8.03
<b>Stage 4</b>	£ 7.85	£ 8.47

**(ii) London Rate:**

For apprentices engaged upon work falling within the terms of JIB National Working Rule 6.2 will be:

	Transport Provided	Own Transport
<b>Stage 1</b>	£ 3.89	£ 4.56
<b>Stage 2</b>	£ 5.73	£ 6.41
<b>Stage 3</b>	£ 8.30	£ 8.99
<b>Stage 4</b>	£ 8.79	£ 9.49

**Note:**

Apprentices may be affected by the DTI guidance on the National Minimum Wage.

**DTI Guidance on the National Minimum Wage**

Apprentices are entitled to the National Minimum Wage twelve months after reaching the age of 18 years if the apprenticeship commenced at 16, 17 or 18 years of age or, if commencing between 19 and 25 years of age, twelve months after commencement of the apprenticeship. Apprentices aged 26 and above must be paid the National Minimum Wage from the commencement of their apprenticeship.

From 1<sup>st</sup> October 2004, the national minimum wage rates for apprentices are:

18 - 21 years old .....	£ 4.10 per hour
22 - 25 years old .....	£ 4.85 per hour
26 years and over .....	£ 4.85 per hour

**Travelling Time and Travel Allowances**

**From and including 10<sup>th</sup> January 2005**

Operatives who are required to start and finish at the normal starting and finishing time on jobs which are 15 miles and over from the shop - in a straight line - shall receive payment for Travelling Time and, where transport is not provided by the Employer, Travel Allowance, as follows:

Distance	Total Daily Travel Allowance	Total Daily Travelling Time
<b>(a) National Standard Rate</b>		
Up to 15 miles	Nil	Nil
Over 15 & up to 20 miles each way	£ 2.75	£ 3.74
Over 20 & up to 25 miles each way	£ 3.64	£ 4.74
Over 25 & up to 35 miles each way	£ 4.79	£ 5.79
Over 35 & up to 55 miles each way	£ 7.64	£ 7.64
Over 55 & up to 75 miles each way	£ 9.35	£ 9.35

For each additional 10 mile band over 75 miles, additional payment of £ 1.65 for Daily Travel Allowance and £1.65 for Daily Travel Time will be made.

Note: Special arrangements may apply for work in the Merseyside area.

Distance	Total Daily Travel Allowance	Total Daily Travelling Time
<b>(b) London Rate</b>		
Up to 15 miles	Nil	Nil
Over 15 & up to 20 miles each way	£ 2.77	£ 4.01
Over 20 & up to 25 miles each way	£ 3.67	£ 5.25
Over 25 & up to 35 miles each way	£ 4.83	£ 6.32
Over 35 & up to 55 miles each way	£ 7.70	£ 8.53
Over 55 & up to 75 miles each way	£ 9.43	£ 9.98

For each additional 10 mile band over 75 miles, additional payments of £ 1.66 for Daily Travel Allowance and £ 1.66 for Daily Travel Time will be made.

### Travelling time and travel allowance - Section 8

Apprentices who are required to start and finish at the normal starting and finishing time on jobs which are 15 miles and over from the shop - in a straight line - shall receive payment for travelling time and where transport is not provided by the Employer, travel allowance as follows:

#### From and including 10<sup>th</sup> January 2005

Distance	Total Daily Travel Allowance	Total Daily Travelling Time
<b>(a) National Standard Rate</b>		
Up to 15 miles	Nil	Nil
Over 15 & up to 20 miles each way	£ 2.75	£ 2.20
Over 20 & up to 25 miles each way	£ 3.64	£ 3.30
Over 25 & up to 35 miles each way	£ 4.79	£ 4.40
Over 35 & up to 55 miles each way	£ 7.64	£ 5.50
Over 55 & up to 75 miles each way	£ 9.35	£ 6.60

For each additional 10 mile band over 75 miles, additional payments of £ 1.65 for Daily Travel Allowance and £ 1.10 for Daily Travelling Time will be made.

**Note:** Special arrangements may apply for work in the Merseyside area.

Distance	Total Daily Travel Allowance	
<b>(b) London Rate</b>		
Up to 15 miles	Nil	Nil
Over 15 & up to 20 miles each way	£ 2.77	£ 2.43
Over 20 & up to 25 miles each way	£ 3.67	£ 3.67
Over 25 & up to 35 miles each way	£ 4.83	£ 4.88
Over 35 & up to 55 miles each way	£ 7.70	£ 6.09
Over 55 & up to 75 miles each way	£ 9.43	£ 7.32

For each additional 10 mile band over 75 miles, additional payments of £ 1.66 for Daily Travel Allowance and £ 1.11 for Daily Travelling Time will be made.

## Combined JIB Benefits Stamp Value (from week commencing 27 September 2004)

JIB Grade	Weekly JIB combined credit value	Holiday Value
Technician	£ 50.50	£ 39.00
Approved Electrician	£ 45.87	£ 34.37
Electrician	£ 43.04	£ 31.54
Senior Graded Electrical Trainee and Electrical Improver	£ 39.90	£ 28.40
Labourer & Adult Trainee	£ 36.54	£ 25.04

## Daywork

### HEATING AND VENTILATING INDUSTRY

pp. 556 to 558

*Erratum*

*p. 558*

Page 558 was accidentally replaced by a second copy of page 568.

The correct page 558 is replicated hereafter:

### HEATING AND VENTILATING INDUSTRY

#### MECHANICAL INSTALLATIONS

Calculation of Hourly Base Rate of Labour for Typical Main Grades applicable from 4<sup>th</sup> October 2004.

	FOREMAN	SENIOR CRAFTSMAN plus 2 <sup>d</sup> Welding Skill	SENIOR CRAFTSMAN	CRAFTSMAN	INSTALLER	MATE OVER 18
Hourly Rate from 4 October 2004	12.56	10.81	10.38	9.52	8.63	7.27
Annual standard earnings excluding all holidays, 45.8 weeks x 38 hours	21,859.42	18,813.72	18,065.35	16,568.61	15,019.65	12,652.71
Employers national insurance contributions from 6 April 2004	2,238.90	1,849.05	1,753.26	1,561.68	1,363.41	1,060.44
Weekly holiday credit and welfare contributions (52 weeks) from 6 October 2003	3,247.92	2,832.96	2,730.00	2,524.08	2,312.96	1,988.48
Annual prime cost of labour	27,346.25	23,495.74	22,548.61	20,654.37	18,696.02	15,701.63
<b>Hourly base rate</b>	<b>15.71</b>	<b>13.50</b>	<b>12.96</b>	<b>11.87</b>	<b>10.74</b>	<b>9.02</b>

## Daywork

### ELECTRICAL INDUSTRY

p. 561

Calculation of Hourly Base Rate of Labour for Typical Main Grades applicable from 10<sup>th</sup> January 2005

	TECHNICIAN	APPROVED ELECTRICIAN	ELECTRICIAN	LABOURER
Hourly Rate from 10 January 2005 (London Rates)	14.46	12.84	11.84	9.50
Annual standard earnings excluding all holidays, 46 weeks x 37.5 hours	24,943.50	22,149.00	20,424.00	16,387.50
Employers national insurance contributions from 6 April 2004	2,633.66	2,275.97	2,055.17	1,538.50
JIB Combined benefits from 10 September 2004	2,626.00	2,385.24	2,238.08	1,900.08
Holiday top up funding	1,225.64	1,101.88	1,023.88	835.64
Annual prime cost of labour	31,428.00	27,912.09	25,741.13	20,661.72
<b>Hourly base rate</b>	<b>18.22</b>	<b>16.18</b>	<b>14.92</b>	<b>11.98</b>

## Index

pp. 599 to 602

### *Erratum*

p. 599

The last four page numbers in the left hand column have slipped, and need to be moved down one line, as follows:

#### Boilers

forced draft	
cast iron sectional	173
shell steel	175
atmospheric	176
condensing	176

*Erratum*  
p. 601

The majority of page numbers in the left hand column have slipped. Corrected page numbers are given in the following table:

Lighting Track	497	cast iron	
Lightning Protection Equipment	534	soil nitrite rubber joints	90
Luminaires	493	soil EPDM rubber joints	93
LV Switchboards	482	rainwater dry joints	72
LV Switchgear		copper	118
all-in-rates	24	galvanised steel	109
		mechanical grooved	198
Midel-Filled Transformers	420	MDPE	
Mineral Insulated Cables	454	blue	99
Miniature Circuit Breakers	487	yellow	157
Minimum Distance between		MUPVC Waste	
Supports	593	solvent joints	76
Modular Wiring	461	Polypropylene for LTHW	
Moulded Case Circuit Breakers	483	thermally fused joints	207
		Polypropylene Waste	
Office Air Conditioning Systems	11	push fit	80
Offices	6, 11, 34	Pressfit	
Oil-Filled Transformers	420	copper	133
		stainless steel	137
Pipe Fixings	211	carbon steel	197
Pipe Freezing	241	PVC-C	107
Pipes		PVC-U	
all-in-rates	19, 22	rainwater	
ABS		- dry push fit joints	60
waste	79	- solvent welded	62
water	102	joints	
black steel		waste, solvent joints	83
screwed	187	waste, ring-seal joints	87
welded	199	water	105
carbon steel	205	overflow	76
		Stainless Steel	135
		Pipe in Pipe	159