

## Construction Labour Constants

Written for students taking courses in building and surveying, 'Estimating for Builders and Surveyors' describes and explains the method used by the estimator to build up prices or rates for items described in the SMM7 format. Each chapter is a self-contained unit related to a particular element in the building. Worked examples throughout reflect both traditional and up-to-date technology. Written by an author team of academics and professional surveyors, this book continues to be an invaluable introduction to the subject of estimating.

Traditional building economics has primarily been concerned with issues around project appraisal and cost management techniques. On the other hand, modern construction economics has a wider focus with stronger links to mainstream economics, reflecting an increased interest in a range of theoretical issues in construction economics, both at the macro and micro level. In *Modern Construction Economics: Theory and Application*, a variety of approaches are used to present a coherent vision of synthesis between industry economics and project economics. Topics covered include: developing construction economics as industry economics competition and barriers to entry in construction innovation in construction theory testing in construction management research collusion and corruption in the construction sector. Including contributions from academics in the UK, Sweden, Hong Kong, and Australia, this is a truly global review of a core issue for the construction industry worldwide. The result is a unique book that will push toward the development of a comprehensive theoretical framework of construction economics. This is a must-read for all serious students of construction economics, and all practitioners looking for a deeper understanding of their

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industry.

UK construction supply chain firms face an array of risks going into 2021 as fallout from the COVID-19 crisis – not least the effect of social distancing rules on site productivity. But underlying construction demand remains broadly in place for the expected medium-term. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2021, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index , updated through the year (2015 = 100), gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the front cover of the book to get set up with an ebook of this 2021 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2021. As well as an overhaul of prices, several new items have been added, including: a London fringe office cost model a higher education refurbishment cost model Pecafil® permanent formwork and an expanded range of cast iron rainwater products along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups Hundreds of alternative materials prices for the more unusual items Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses Updates, free of charge, twice a year – see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk) The revised and updated comprehensive resource for Quantity Surveyors working with a

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construction contractor The second edition of Construction Quantity Surveying offers a practical guide to quantity surveying from a main contractor's perspective. This indispensable resource covers measurement methodology (including samples using NRM2 as a guide), highlights the complex aspects of a contractor's business, reviews the commercial and contractual management of a construction project and provides detailed and practical information on running a project from commencement through to completion. Today's Quantity Surveyor (QS) plays an essential role in the management of construction projects, although the exact nature of the role depends on who employs the QS. The QS engaged by the client and the contractor's QS have different parts to play in any construction project, with the contractor's QS role extending beyond traditional measurement activities, to encompass day-to-day tasks of commercial building activities including estimating, contract administration, and construction planning, as well as cost and project management. This updated and practical guide: Focuses on the application, knowledge and training required of a modern Quantity Surveyor Clearly shows how Quantity Surveying plays an essential central role within the overall management of construction projects Covers measurement methodology, the key elements of the contractor's business and the commercial and contractual management of a construction project The construction industry changes at fast pace meaning the quantity surveyor has a key role to play in the successful execution of construction projects by providing essential commercial input. Construction Quantity Surveying meets this demand as an up-to-date practical guide that includes the information needed for a Quantity Surveyor to perform at the highest level. It clearly demonstrates that quantity surveying is not limited to quantifying trade works and shows it as an important aspect of commercial and project management of

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construction projects.

This new edition of Spon's Irish Construction Price Book, edited by Franklin + Andrews, is the only complete, tailored and up-to-date source of cost data for the Irish construction industry. This price book is an essential aid to profitable contracting for all those operating in Ireland's buoyant construction industry. All the materials costs,

This book examines estimating and bidding for construction work in the context of construction economics and construction management. It will appeal to undergraduate students of the built environment, particularly those studying building, construction economics and quantity surveying. After an introductory chapter on the construction industry and the market forces that operate within it, there follows a review of a range of estimating methods and an examination of the relationship between estimating and project planning. Sub-contracting, the price of preliminaries, plan and specification contracts, and overheads, profit and project financing are each considered separately, with examples, in ; chapters 7 to 10. Chapter 11 considers the adjudication and bid submission process, while subsequent chapters deal with risk and uncertainty in estimating and tendering, bidding strategies, the client's view of the competitive bidding process, consortium and joint venture bidding, and the use of computers.

This new edition of Spon's Irish Construction Price Book, edited by Franklin + Andrews, is the only complete and up-to-date source of cost data for this important market. All the materials costs, labour rates, labour constants and cost per square metre are based on current conditions in Ireland. Structured according to the new Agreed Rules of Measurement (second edition). Thirty pages of Approximate Estimating Rates for quick pricing. This price book is an essential aid to profitable contracting for all those operating in Ireland's booming construction

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industry.

This unique handbook collects together a comprehensive and up-to-date range of indices measuring construction costs and price movements. The authors give guidance on the use of the data making this an essential aid to accurate estimating. It includes many examples how construction cost and price indices are compiled and how they can be used by the estimator in tender analysis, pricing and price adjustment, cost planning and forecasting.

This well-respected and widely used series provides essential underpinning knowledge to support students following NVQ programmes in Bricklaying. This text is suitable for the C&G 588 course.

The world of construction is intrinsically linked with that of finance, from the procurement and tendering stage of projects right through to valuation of buildings. In addition to this, things like administrations, liquidations, mergers, take-overs, buy-outs and floatations affect construction firms as they do all other companies. This book is a rare explanation of common construction management activities from a financial point of view. While the practical side of the industry is illustrated here with case studies, the authors also take the time to build up an understanding of balance sheets and P&L accounts before explaining how common tasks like estimating or valuation work from this perspective. Readers of this book will not only learn how to carry out the tasks of a construction cost manager, quantity surveyor or estimator, they will also understand the financial logic behind them, and the motivations that drive senior management. This is an essential book for students of quantity surveying or construction management, and all ambitious practitioners.

SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2020, compiled by AECOM, still

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provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year (2015 = 100), gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the front cover of the book to get set up with an ebook of this 2020 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2020. As well as an overhaul of prices, several new items have been added, including: a mental health cost model a primary health care cost model expanded ranges of entrance matwells and of Forticrete blocks ... along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups Hundreds of alternative materials prices for the more unusual items Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses Updates, free of charge, twice a year – see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

Construction Labour ConstantsA Ready ReckonerSpon's Architects' and Builders' Price Book 2020CRC Press

A range of factors are all combining to propel input cost inflation. Higher international logistics costs, returning demand from industry workload, and higher global metals prices are some of the ingredients to quicker building cost inflation. Whilst some EU materials exporters to the UK are adjusting to Brexit, other EU exporters — initially smaller or specialist firms hit proportionally

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harder — are now deciding not to supply the UK at all, because the additional red tape involved makes it not commercially viable. If this trend replicates across the whole EU to UK supply chain, visible disruption and higher prices are likely until other sources of supply begin to increase in volume and step in to address these supply issues. Among other exporters continuing to supply the UK, significant price increases are being applied to cover the permanent Brexit non-tariff barriers and additional administrative processes. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2022, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year (2015 = 100), gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the front cover of the book to get set up with an ebook of this 2022 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2022. As well as an overhaul of prices, 145 new items have been added including: Two new Cost Models for school refurbishment Primary Healthcare Fit-Out Plus, expanded range of cast iron rainwater goods expanded range of matwells expanded range of vinyl floor finishes Ecotherm insulation Along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups Hundreds of alternative materials prices for the more unusual items Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses

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Construction Pathways is a comprehensive competency-based text, fulfilling the requirements of the latest Certificate II in Construction Pathways (CPC20220) qualification with extensive practice activities, exercises and illustrations/images. The text offers students comprehensive coverage of all the core competencies required, along with the main high-volume trade electives such as Carpentry, Bricklaying and Wall and Floor Tiling all in one book. Instructor resources pack includes solutions manual, mapping grids and downloadable worksheets. Premium resources like PowerPoints and test banks provide additional teaching support, saving time and adding more depth to classes.

Laxton's gives you access to the most reliable and current data. All 250,000 price elements have been individually checked and updated for the 2002 edition so that your estimates are always accurate and cost competitive. Laxton's makes analytical estimating simple and straightforward by displaying a complete breakdown for all measured items under 10 separate headings, all on a single page. This shows you a complete price build-up at a glance - and gives you the option to make price adjustments wherever necessary. You can find the sections you need quickly and easily, via the special marker system on the front cover and page edges. The free CD with this price book contains Masterbill's ESTIMATOR software and fully resourced data on all the price elements in Laxton's. Not only does the CD offer fast and efficient pricing at the touch of a button, it gives details of all the resources required to do the

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job. Laxton's approximate estimating section gives all in pricing for quick reference on the cost of composite items such as floors helping you calculate the cost implications of using plywood sheeting rather than softwood boarding, for example. Laxton's Basic Price section gives you a quick price on hundreds of items - from concrete work to roofing materials - to save you going through hundreds of lists from suppliers, manufacturers and building merchants. Laxton's Brand and Trade Names section lists over 12,000 brands and trade names and company addresses to help you locate specific items. Latest wage rates, fees and allowances All 250,000 price elements checked and updated

The RICS New Rules of Measurement mean that the construction industry now has a way of allowing a more consistent approach to the measurement and estimating of buildings from the start of a project, right through until the end, and beyond. Estimating and cost planning using the New Rules of Measurement offers comprehensive guidance on all the technical competencies concerned with estimating throughout the precontract stages. It provides a full commentary to the NRM, with detailed and comprehensive examples of how to measure estimates and cost plans in accordance with this new prescriptive approach. For both students and practitioners, the acquisition of technical competencies is by practice so this book offers step-by-step worked examples to follow as well as an exercise on each topic. Key Features • helps dispel anxieties about using a new method in an important area of fee generation •

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based on the author's successful Roadshows, organised by the RICS to promote the NRM • companion websites provide support for learning:

<http://ostrowskiquantities.com/> and <http://www.wiley.com/go/ostrowski/estimating>

Compiled by Davis Langdon, Spon's Architects' and Builders' Price Book provides the most accurate, detailed and professionally relevant construction price information currently available for the UK. Its unique Tender Index, updated through the year, provides an ongoing reality check and adjustment for changing market conditions. This is the only pr

Everything you need to know to estimate, build, and repair practically every type of roof covering: asphalt shingles, roll roofing, wood shingles & shakes, clay tile, slate, metal, built-up, and elastomeric. Shows how to measure and estimate most roofs (including estimating shortcuts discovered by the author), how to install leak-proof underlayment and flashing, and how to solve problems with insulation, vapor barriers, and waterproofing. Over 300 large, clear illustrations that help you find the answers to all your roofing questions.

An important starting point in considering the technical aspects of planning and site management is the wide choice of possible technologies, which is one of the special features of the construction industry.; This handbook illustrates the management of construction projects with worked examples and test-planning skills with exercises in

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management practice.

Spon's Construction Resource Handbook is the first book to present critical information about materials, labour and plant constants required for the estimating process under one cover. It covers all areas of the construction industry and will provide all those involved in the preparation of tenders, cost estimates and first-stage estimates with the information they need to work with greater confidence and prepare more accurate estimates and tenders. With a unique style of presentation, it includes thousands of item descriptions and a comprehensive collection of data, including labour and plant outputs, materials, elemental breakdowns and lists of relevant organizations. Up-to-date and comprehensive, Spon's Construction Resource Handbook will be an indispensable reference for estimators, quantity surveyors, engineers and architects working in local government and professional practices, government agencies, and contractors in all fields of construction. It will provide an invaluable reference base for negotiation of new rates where variations occur on a contract.

SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2019, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year, gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the

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front cover of the book to get set up with an ebook of this 2019 edition on the VitalSource® Bookshelf platform. This versatile and powerful online data viewing package is available for use until the end of December 2019. As well as an overhaul of prices, several new items have been added, including: Semi and automatic pedestrian doors -- revolving, sliding, and swing An expanded range of industrial shutter doors Industrial docks and shelters An expanded range of aluminium gutters ... along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups. Hundreds of alternative materials prices for the more unusual items. Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses. Updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

Behind the success of any construction project is the effective site management of the works by the principal contracting organisation. Construction Management provides a comprehensive introduction to the key management concepts, principles and practices that contribute to project success. Up-to-date with the latest developments in the field, and packed with examples and case study material, this book is suitable for a range of students including: HNC/D and

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undergraduates students on building, civil engineering, construction management, quantity surveying, building surveying and architecture courses. It would also be a useful reference for postgraduates and young construction professionals.

The Estimator's Pocket Book is a concise and practical reference covering the main pricing approaches, as well as useful information such as how to process sub-contractor quotations, tender settlement and adjudication. It is fully up-to-date with NRM2 throughout, features a look ahead to NRM3 and describes the implications of BIM for estimators. It includes instructions on how to handle: the NRM order of cost estimate; unit-rate pricing for different trades; pro rata pricing and dayworks; builders' quantities; approximate quantities. Worked examples show how each of these techniques should be carried out in clear, easy-to-follow steps. This is the indispensable estimating reference for all quantity surveyors, cost managers, project managers and anybody else with estimating responsibilities. Particular attention is given to NRM2, but the overall focus is on the core estimating skills needed in practice.

Management in the construction industry is a complex task, with team members often undertaking hazardous work, complying with stacks of regulations and legal requirements, and under the constant threat of plans going awry, however there

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is no need for all construction management textbooks to be so complicated. Starting with a general overview of the industry, Introduction to Construction Management is the beginner's guide to key concepts, terms, processes and practices associated with modern construction management in the UK. Supported by diagrams, illustrations and case studies, this book explores construction management from a variety of perspectives, including: Production management Commercial management Quality management Health and Safety management Environmental management Also incorporated are important industry trends including sustainability, corporate social responsibility, and the advent of BIM. This is the most approachable text available for anyone starting to learn about construction management, at HNC/HND, FdSc, or BSc level.

SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK provides the most detailed, professionally relevant construction price information currently available for the UK. This year, for the first time, the download includes a versatile and powerful ebook.<sup>1</sup> The Preliminaries section has been re-written and based upon the 2005 JCT contract<sup>2</sup>. The new section on

This book studies the principles and techniques of construction resource management, finance and costing, measurement and pricing. This range of topics is of practical use to students and practitioners studying and working in

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building construction, civil engineering, surveying, planning and development. The style of writing is kept simple and supported by a clear explanation, a structured layout, practical examples and diagrams. The highlighted definitions, checklists, and keyword summaries will also help students preparing for tests, examinations and assignments.

This book offers a clear explanation of the principles and practice of construction planning, programming and control during the preparation and construction stages of a project. The book is written in the context of current procurement and contractual arrangements and JCT2005, NEC3 and ICE7 contracts are covered. The statutory framework within which construction projects must be managed is explained and the topic of construction hazard and risk is covered in detail. A variety of programming techniques are explained and the development of safe construction sequences and methods is particularly emphasised. The control of time, money and resources are considered in a risk management context and a complete chapter is devoted to cash flow. The third edition has been extensively updated and extended to include new materials on: \* Hazard identification \* Risk assessment \* Health and safety management \* CDM 2007 \* Construction sequences and method statements \* Delay analysis \* Waste management and Site Waste Management Plans The final three chapters are devoted to individual

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case studies which have been selected to illustrate the practical application of the principles explained in the book and to provide examples of current procedures adopted by major contractors. The content is designed to provide a clear and comprehensive text for undergraduates on construction management, surveying and civil engineering degree courses.

Construction Economics in the Single European Market is an edited selection of papers from the first European Construction Economics Conference. Experts give details on construction costs from many European countries including Denmark, Ireland, France, Sweden, Netherlands, Spain and the UK.

It deals in a practical and reasonable way with many of the estimating problems which can arise where building and civil engineering works are carried out and to include comprehensive estimating data within the guidelines of good practice.

The early part of the book has been completely rewritten to contain chapters useful to students and practitioners alike for the development of the estimating process resulting in the presentation of a tender for construction works. The second and major part of the book contains estimating data fully updated for the major elements in building and civil engineering work, including a new chapter on piling, and a wealth of constants for practical use in estimating. The estimating examples are based on the current edition of the Standard Method of

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Measurement for Building Works (SMM7). The comprehensive information on basic principles of estimating found in 'Spence Geddes' are still as valid today as the first edition. In this edition the prevailing rates of labour and costs of materials are taken whenever possible as a round figure. Readers will appreciate in the construction industry that prices are continually changing, rise and fall, and that worked examples should therefore be used as a guide to method of calculation substituting in any specific case the current rates applicable to it. In the case of plant output dramatic increases have been experienced in productivity over recent years and again estimators with their own records should substitute values appropriate to their work.

A legal reference on construction law that offers guidance for professionals and addresses the important construction law issues.

This book presents a challenge to the long held view that the predominantly agricultural economies of ancient Greece and Rome were underdeveloped. It shows that the exploitation of natural resources, manufacturing and the building trade all made significant contributions to classical economies. It will be an indispensable resource for those interested in the period.

Conflicting signals! Public sector cutbacks, soaring input costs, and a mixed picture all round. You need SPON'S ARCHITECTS' AND BUILDERS' PRICE

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BOOK 2013 to get the detail right. SPON'S A&B PRICE BOOK, compiled by Davis Langdon, provides the most accurate, detailed and professionally relevant construction price information currently available for the UK. Its unique Tender Index, updated through the year, provides an ongoing reality check and adjustment for changing market conditions. This is the only price book which sets out a detailed cost base for contracts exceeding £3,500,000 in value. Use the access code inside the back cover of the book to get set up with internet access to this 2013 edition until the end of December 2013. We now provide Spon's Online, a versatile and powerful online data viewing package, which replaces the estimating software and ebook of recent years and which is no longer supplied with the hard copy book. Major changes have been made to this 138th edition: As well as an overhaul of prices, SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2013 includes: A new cost model for an office fit out. New measured works have been introduced: Concrete canvas, Dreadnought Handformed roof tiles, UPVC external doors, Thermalite paint grade concrete blocks, EPS/PIR hybrid roof insulation, Omnidec composite flooring systems, sheep wool insulation, Kingspan TEK cladding panels, 750 & 900 dia CFA piling, Lignacite architectural blocks. More has been given for cork flooring and much else has been changed throughout. ...along with the standard features you have

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come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups Hundreds of alternative materials prices for the more unusual items Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses Updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk). Other titles in the Spon's Price Book Series: SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK 2013 SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2013 SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK 2013 Spon's Architects' and Builders' Price Book 2005 is the most detailed, professionally relevant source of construction price information currently available anywhere. With its unique Tender Index it is the only price book that publishes details of its cost base in a way allowing adjustments for market conditions that affect building prices. A separate minor works section covers contracts of around £65,000 in value. The 2005 edition includes the following new items: acrylic water-based emulsion paints, additional insulation boards and quilts, green items, and head and wall restraints among others.

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This book is meant for students and professionals having fundamental engineering knowledge and familiarity with construction process and practices. It includes 18 chapters – each accompanied with an appendix – along with abbreviations and glossary of terms. Each chapter has been ensured to provide an optimal mix of theory and application. The subject covered in this book provides practical relevance to current project management techniques and practices.

Construction prices rose over the last year by 5%, according to AECOM's tender price index, with construction price inflation continuing to run above the long-run average. The main drivers are rising input costs. Producer price indices have moved up at a clip in recent quarters, with sharp increases in prices for materials and fuels consumed by UK manufacturers. Demand- and supply-side factors make the probability of short-term price falls very slim. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2018, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year, gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access

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