

Nrm3 Cost Management Handbook By David P Benge

The third edition of the Quantity Surveyor's Pocket Book has been updated in line with NRM1, NRM2 and NRM3, and remains a must-have guide for students and qualified practitioners. Its focused coverage of the data, techniques and skills essential to the quantity surveying role makes it an invaluable companion for everything from initial cost advice to the final account stage. Key features and updates included in this new edition: an up-to-date analysis of NRM1, 2 and 3; measurement and estimating examples in NRM2 format; changes in procurement practice; changes in professional development, guidance notes and schemes of work; the increased use of NEC3 form of contract; the impact of BIM. This text includes recommended formats for cost plans, developer's budgets, financial reports, financial statements and final accounts. This is the ideal concise reference for quantity surveyors, project and commercial managers, and students of any of the above.

SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2019, compiled by AECOM, still provides the most accurate, detailed and professionally relevant

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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 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

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Strong output demand over the last year has stretched the industry. The issues are being felt by all firms across the delivery chain – from clients to subcontractors. Capacity constraints almost always manifest themselves in prices. Increased tender prices have become the primary symptom of these supply-side issues. The main driver of new work output growth over the last 18 months is slowing. Both the public and private housing sectors are quickly reversing all of their recent upward trends when looked at on a yearly growth basis. The counterpoint to this is that the yearly growth figures are still positive, meaning that new work continues to flow. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2016, 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 £3,500,000 in value. Use the access code inside the front cover of the book to get set up with internet access to this 2016 edition until the end of December 2016. We now provide SPON'S Online, a versatile and powerful online data viewing package -- online or offline on your

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PC/Mac, smartphone or tablet. You can browse and search the content across all the price books you own, make notes and highlights and share these notes with other users. Major changes have been made to this 141st edition: For the first time, plant prices have been separated out in the measured works section. As well as an overhaul of prices, several new items have been added, including: Two new cost models for a stand-alone private patient ward within a larger hospital complex, and an extra care home An expanded range of ACO drainage channels Precast concrete 'Perfect Manholes' by CPM Shower-wall laminated panelling walling An expanded range of architectural pre-finished blockwork ... 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. Updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk Other titles in the Spon's Price Book Series: SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK 2016 SPON'S

CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2016 SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK 2016

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 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

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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 Updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

The Estimator's Pocket Book, Second Edition 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

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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. Updates to this edition include a greater reference to BIM, an update on the current state of the construction industry as well as up-to-date wage rates, legislative changes and guidance notes.

The beginnings of recovery? Some materials costs are rising, and so are direct labour costs. Spon's Architects' and Builders' Price Book 2014 gives you the total picture. Spon's Architects' and Builders' Price Book 2014, compiled by Davis Langdon, 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

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£3,500,000 in value. NRM1 and NRM2 are used instead of SMM7R as the measurement standards throughout. As well as an overhaul of prices, over 300 new items have been added to Spon's Architects' and Builders' Price Book 2014. These include: New cost models for out of town retail, office to residential conversion, and a museum fit out New cost models for out of town retail, office to residential conversion, and a museum fit-out A re-formatted Preliminaries example, and typical hire rates for common preliminaries items Automated car parking systems - (simple stack systems to fully automatic) Plasmor concrete blocks Diamond drilling, now completely overhauled ETFE roofing Extended range of underground drainage Flowing screeds ... 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. Updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk Other titles in the Spon's Price Book Series: SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK

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2014 SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK
2014 SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK 2014

Estimators need to understand the consequences of entering into a contract, often defined by complex conditions and documents, as well as to appreciate the technical requirements of the project. *Estimating and Tendering for Construction Work*, 5th edition, explains the job of the estimator through every stage, from early cost studies to the creation of budgets for successful tenders. This new edition reflects recent developments in the field and covers: new tendering and procurement methods the move from basic estimating to cost-planning and the greater emphasis placed on partnering and collaborative working the New Rules of Measurement (NRM1 and 2), and examines ways in which practicing estimators are implementing the guidance emerging technologies such as BIM (Building Information Modelling) and estimating systems which can interact with 3D design models With the majority of projects procured using design-and-build contracts, this edition explains the contractor's role in setting costs, and design statements, to inform and control the development of a project's design. Clearly-written and illustrated with examples, notes and technical documentation, this book is ideal for students on construction-related courses at HNC/HND and Degree levels. It is also an important source for associated professions and

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estimators at the outset of their careers.

Nrm3 Cost Management Handbook Routledge

Now in its 39th edition, Spn's External Works and Landscape Price Book 2020 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. 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. This NRM edition provides a detailed breakdown of preliminaries in a series of cost models for different projects It also Includes several new items: Recycled versions of a number of landscape materials and systems – especially retaining walls, fencing and barriers, ground protection grids, and street furniture; New equipment for playgrounds Aggregates Haddonstone balustrades, and New flag and block product ranges of Marshalls paving, especially permeable formats All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: - material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components - detailed guidance on wage rates, landscape consultants' fee scales - an extensive Approximate Estimates section for rapid spot estimating - updates, free of charge, twice a year

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– see inside for registration details. Updates are available online at www.pricebooks.co.uk

The definitive guide to measurement and estimating using NRM1, written by the author of NRM1 The 'RICS New rules of measurement: Order of cost estimating and cost planning of capital building works' (referred to as NRM1) is the cornerstone of good cost management of capital building works projects - enabling more effective and accurate cost advice to be given to clients and other project team members, while facilitating better cost control. The NRM1 Cost Management Handbook is the essential guide to how to successfully interpret and apply these rules, including explanations of how to: quantify building works and prepare order of cost estimates and cost plans use the rules as a toolkit for risk management and procurement analyse actual costs for the purpose of collecting benchmark data and preparing cost analyses capture historical cost data for future order of cost estimates and elemental cost plans employ the rules to aid communication manage the complete 'cost management cycle' use the elemental breakdown and cost structures, together with the coding system developed for NRM1, to effectively integrate cost management with Building Information Modelling (BIM). In the NRM1 Cost Management Handbook, David Bengé explains in clear terms how NRM1 is meant to be used in familiar quantity surveying tasks, as well as a range of activities of crucial importance for professionals in years to come. Worked examples, flow charts, diagrams, templates and check lists ensure readers of all levels will become confident and competent in the use of NRM1. This book is essential reading for anyone working with NRM1, and is the most authoritative guide to practice available for those preparing to join the industry. The rules have been written to provide a standard set of measurement rules that are understandable by all those involved in a construction project. They provide advice and best

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practice guidance to RICS members involved in the cost management of construction projects worldwide. This volume, NRM 2: detailed method of measurement for capital building works, provides fundamental guidance on the detailed measurement and description of building works for the purpose of obtaining a tender price. The rules address all aspects of bill of quantities (BQ) production, including setting out the information required from the employer and other construction consultants to enable a BQ to be prepared, as well as dealing with the quantification of non-measurable work items, contractor designed works and risks. Guidance is also provided the content, structure and format of BQ, as well as the benefits and uses of BQ. The cost manager/quantity surveyor plays a pivotal role in the financial and contract management of construction projects, although the exact nature of the service they provide depends on the project employer's terms of engagement. This can mean acting as consultant in a range of roles including cost and advisory services for budget setting to initiate a project, cost management through the design and construction phases, contract administration and acting as the client side project manager to oversee the entire building process. Cost Management of Construction Projects focusses on the cost manager/quantity surveyor engaged by the project client, and discusses key elements that help drive project success including measurement (based on the New Rules of Measurement published by RICS), procurement, cost planning, contract administration and project cost management. With examples, it provides a thorough guide to the role in the workplace and in the field, directly addressing the day to day situations faced by the cost manager/quantity surveyor. Donald Towey MRICS has extensive experience of the construction industry. His experience began as an estimator with a glass/glazing contractor in Manchester. Following a number of positions

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with UK contractors he relocated to Australia and has worked with a number of developers and main contractors, as well as doing freelance work. He is currently working in contracts management in Sydney.

Offers quantity surveyors, engineers, building surveyors and contractors clear guidance on how to recognise and avoid measurement risk. The book recognises the interrelationship of measurement with complex contractual issues; emphasises the role of measurement in the entirety of the contracting process; and helps to widen the accessibility of measurement beyond the province of the professional quantity surveyor. For the busy practitioner, the book includes: Detailed coverage of NRM1 and NRM2, CESMM4, Manual of Contract Documents for Highway Works and POM(I) Comparison of NRM2 with SMM7 Detailed analysis of changes from CESMM3 to CESMM4 Coverage of the measurement implications of major main and sub-contract conditions (JCT, NEC3, Infrastructure Conditions and FIDIC) Definitions of 5D BIM and exploration of BIM measurement protocols Considerations of the measurement risk implications of both formal and informal tender documentation and common methods of procurement An identification of pre- and post-contract measurement risk issues Coverage of measurement risk in claims and final accounts Detailed worked examples and explanations of computer-based measurement using a variety of industry-standard software packages.

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

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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.

While the construction process still requires traditional skills, the dynamic nature of construction demands of its managers improved understanding of modern business, production and contractual practices. This well established, core undergraduate textbook reflects current best practice in the management of construction projects, with particular emphasis given to supply chains and networks, value and risk management, BIM, ICT, project arrangements, corporate social responsibility, training, health and welfare and environmental sustainability. The overall themes for the Eighth Edition Modern Construction Management are: Drivers for efficiency: lean construction underpinning production management and off-site production methods. Sustainability: reflecting the transition to a low carbon economy.

Corporate Social Responsibility: embracing health & safety and employment issues. Modern contractual systems driving effective procurement Building Information Modelling directed towards the improvement of collaboration in construction management systems

The revised and updated comprehensive resource for Quantity Surveyors working with a 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

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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 construction projects.

Now in its 38th edition, Spon's External Works and Landscape Price Book 2019 offers the only comprehensive source of information for detailed external works

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and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. Use the access code inside the 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. This NRM edition includes the following new items: Corten edgings Glass balustrades Decking pedestals for roof gardens Stone copings Tier system cladding. All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components detailed guidance on wage rates, landscape consultants' fee scales an extensive Approximate Estimates section for rapid spot estimating updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk. Now with two additional external works site cost models – playgrounds and

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recreation areas, and domestic gardens – added to the three launched last year: housing and house builder, science and office parks, and civic environments and streetscape models. Now in its 35th edition, Spon's External Works and Landscape Price Book 2016 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. Use the access code inside the front cover of the book to get set up with internet access to this 2016 edition until the end of December 2016. We now provide SPON'S Online, a versatile and powerful online data viewing package -- online or offline on your PC/Mac, smartphone or tablet. You can browse and search the content across all the price books you own, make notes and highlights and share these notes with other users. Using a combination of NRM1 and NRM2 as the measurement standards, this edition includes the following new and significantly developed items: gatic slot drains restoration brickwork projects sustainable solutions to soil & riverbank erosion, river restoration, & flood management. All the standard features that you expect from SPON'S

EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components detailed guidance on wage rates, landscape consultants' fee scales an extensive Approximate Estimates section for rapid spot estimating updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk. Other titles in the SPON'S Price Book Series: SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2016 SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2016 SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK 2016

Cost management of all building projects has become increasingly important as clients in the public and private sector demand the highest quality cost planning services with accurate budgeting and cost control. All members of the design team must integrate their activities to ensure that a high quality project is delivered on time and within budget. This book considers building cost planning and cost control from the client and the design team's perspective, where all decisions whether concerned with design, cost, quality, time, value or sustainability are taken as being interrelated. The latest Royal Institute of British

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Architects (RIBA) Plan of Work and the New Rules of Measurement for Early Stage Estimating and Cost Planning issued by the Royal Institution of Chartered Surveyors (RICS) have been incorporated into this new text. The book follows the building design cost planning process from the crucial inception stages and then through all the design stages to the completion of the technical design, contract documentation and the tender. It provides a template for good cost planning practice. An essential addition to this third edition is the introduction of integrated design and documentation processes captured in building Information modelling (BIM), on-line cost databases and computerised methods of cost planning. The integrated approaches are explained and provide vital information and knowledge for practitioners involved in building projects. All stakeholders involved in development and design and client teams in public and private sector policy making and implementation need to understand the new approaches to design management processes and how cost planning and design approaches are adapting to using the new technology in practice. The interactive style, using in-text and review questions makes this ideal for students and practitioners alike in property, architecture, construction economics, construction management, real estate, engineering, facilities management and project management. UK construction shows its underlying strength. Tender prices have risen strongly

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since last year's book was compiled -- increasing by around 8%, and at an annualised rate of close to 10% in the last half year. Spon's Architects' and Builders' Price Book 2017, 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 front cover of the book to get set up with internet access to this 2017 edition until the end of December 2017. We now provide a VitalSource® ebook, giving a versatile and powerful online data viewing package. Major changes have been made to this 142nd edition: Major revision and simplification has been made to the in situ concrete section, and plasterboard linings and partitions sections have been heavily revised and developed. New Cost Models are included: a laboratory, a car park and an updated London Office. More plant prices have been separated out in the measured works section. As well as an overhaul of prices, several new items have been added, including: Foamglas insulation Carlite waterproof concrete and an expanded range of stone flooring ... along with the standard features you have come to expect from Spon's A&B:

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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

This year's book has a strong approximate estimates section, with most measured works items also presented as composite items. Now in its 34th edition, Spon's External Works and Landscape Price Book 2015 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. Use the access code inside the front cover of the book to get set up with internet access to this 2015 edition until the end of December 2015. We now provide Spon's Online, a versatile and powerful online data viewing package, which replaces the estimating software

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and ebook of recent years. The book now uses a combination of NRM1 and NRM2 as the measurement standards. This edition includes the following new and significantly developed items Further NRM format composites Suspended paving systems Precast walkways New Marshalls paving ranges Reconstituted stone bottle balustrades ...and now with a number of landscape cost models. Now in its 40th edition, Spon's External Works and Landscape Price Book 2021 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. 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. This NRM edition provides a revised and updated street furniture section. It also includes several new items: Kinley systems – Metal edgings and systems for landscapes and podiums New cost evaluations of water features Stainless steel landscape channel drainage All the standard features that you expect from SPON'S EXTERNAL WORKS AND

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LANDSCAPE PRICE BOOK remain: • material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components • detailed guidance on wage rates, landscape consultants' fee scales • an extensive Approximate Estimates section for rapid spot estimating • updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

In this fourth edition of *New Aspects of Quantity Surveying Practice*, renowned quantity surveying author Duncan Cartlidge reviews the history of the quantity surveyor, examines and reflects on the state of current practice with a concentration on new and innovative practice, and attempts to predict the future direction of quantity surveying practice in the UK and worldwide. The book champions the adaptability and flexibility of the quantity surveyor, whilst covering the hot topics which have emerged since the previous edition's publication, including: the RICS 'Futures' publication; Building Information Modelling (BIM); mergers and acquisitions; a more informed and critical evaluation of the NRM; greater discussion of ethics to reflect on the renewed industry interest; and a new chapter on Dispute Resolution. As these issues create waves throughout the industry whilst it continues its global growth in emerging markets, such reflections

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on QS practice are now more important than ever. The book is essential reading for all Quantity Surveying students, teachers and professionals. It is particularly suited to undergraduate professional skills courses and non-cognate postgraduate students looking for an up to date understanding of the industry and the role.

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 code inside the front cover of the book to get set up with a VitalSource® ebook of this 2018 edition. This versatile and powerful online data viewing package is

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available for use until the end of December 2018. Major changes have been made to this 143rd edition: New Cost Models for a retail distribution unit, a palliative care unit, and a cinema As well as an overhaul of prices, several new items have been added, including: An expanded range of beam & block flooring Rainwater harvesting – with a precast concrete tank A precast concrete flow attenuation system Precast concrete communication boxes ... 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.

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Recovery in construction is still on track. Business confidence is increasing – but still not yet secure. Following the 18% fall in tender prices between 2008 and 2013, price levels are beginning to recover some lost ground, particularly in the residential sector and with London based projects. It is important to make sure tenders are competitive, whilst minimising your risk as input material prices and labour rates continue to rise and

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tender prices are forecast to increase an average of 4.5% over the next 3 years, reaching the pre 2008 recession levels in 2017. Spon's Architect's and Builders' Price Book, 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 £3,500,000 in value. Use the access code inside the front cover of the book to get set up with internet access to this 2015 edition until the end of December 2015. We now provide SPON'S Online, a versatile and powerful online data viewing package. Major changes have been made to this 140th edition: As well as an overhaul of prices, over new items have been added. These include: New cost models for Business Parks and Data Centres An expanded range of Kingspan roof and wall claddings New ASSA ABBLOY sectional overhead doors, including rapid opening and fabric New ASSA ABBLOY industrial dock levellers and shelters An increased range of Altro safety flooring and resin flooring systems New Altro Whiterock hygiene doorsets

SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2020, 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.

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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

The second edition of the Construction Project Manager's Pocket Book maintains its coverage of a broad range of project management skills, from technical expertise to leadership, negotiation, team building and communication. However, this new edition has been updated to include: revisions to the CDM regulations, changes to the standard forms of contract and other documentation used by the project manager, the impact of BIM and emerging technologies, implications of Brexit on EU public

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procurement, other new procurement trends, and ethics and the project manager. Construction project management activities are tackled in the order they occur on real projects, with reference made to the RIBA Plan of Work throughout. This is the ideal concise reference which no project manager, construction manager, architect or quantity surveyor should be without.

This practical guide to cost studies of buildings has been updated and revised throughout for the 6th edition. New developments in RICS New Rules of Measurement (NRM) are incorporated throughout the book, in addition to new material on e-business, the internet, social media, building information modelling, sustainability, building resilience and carbon estimating. This trusted and easy to use guide to the cost management role: Focuses on the importance of costs of constructing projects during the different phases of the construction process Features learning outcomes and self-assessment questions for each chapter Addresses the requirements of international readers From introductory data on the construction industry and the history of construction economics, to recommended methods for cost analysis and post-contract cost control, *Cost Studies of Buildings* is an ideal companion for anyone learning about cost management.

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

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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 • 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/](http://www.wiley.com/go/ostrowski/estimating)

Now in its 41st edition, Spon's External Works and Landscape Price Book 2022 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. The 2022 edition includes new stainless-steel products including: ventilation grilles; handrails; LED handrails; in ground power units; stainless

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steel bollards; stainless steel warning strips and studs and access covers. Also, an extended range of inspection chambers, new podium specialist soils and a new formwork system, as well as two new Cost Models, one for podiums and another for landscape maintenance. All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: • material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components • detailed guidance on wage rates, landscape consultants' fee scales • an extensive Approximate Estimates section for rapid spot estimating • updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk 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.

A general upgrade, with good external works site cost models, strong on composite items and more measured works. Now in its 36th edition, Spon's External Works and Landscape Price Book 2017 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential

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for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. Use the access code inside the front cover of the book to get set up with internet access to this 2017 edition until the end of December 2017. We now provide a VitalSource® ebook, giving a versatile and powerful online data viewing package. This NRM edition includes the following new and significantly developed items: Acoustic fencing Architectural metalwork Block and beam systems Culverts Deep Concrete manholes to 3 m Headwalls Pre-cast steps New retaining walls And green roofs and sportsfields have now been broken down into details, rather than presented as a lump sum. All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components detailed guidance on wage rates, landscape consultants' fee scales an extensive Approximate Estimates section for rapid spot estimating updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk.

With the UK government's 2016 BIM threshold approaching, support for small organisations on interpreting, filtering and applying BIM protocols and standards is urgently required. Many small UK construction industry supply chain firms are uncertain about what Level 2 BIM involves and are unsure about taking first steps towards having

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BIM capability. As digitisation, increasingly impacts on work practices, Getting to Grips with BIM offers an insight into an industry in change supplemented by practical guidance on managing the transition towards more widespread and integrated use of digital tools to manage the design, construction and whole life use of buildings. The essential reference tool for all real estate, property, planning and construction students. Real Estate Concepts provides built environment students with an easy to use guide to the essential concepts they need to understand in order to succeed in their university courses and future professional careers. Key concepts are arranged, defined and explained by experts in the field to provide the student with a quick and reliable reference throughout their university studies. The subjects are conveniently divided to reflect the key modules studied in most property, real estate, planning and construction courses. Subject areas covered include: Planning Building surveying Valuation Law Economics, investment and finance Quantity surveying Construction and regeneration Sustainability Property management Over the 18 alphabetically arranged subject specific chapters, the expert contributors explain and illustrate more than 250 fully cross-referenced concepts. The book is packed full of relevant examples and illustrations and after each concept further reading is suggested to encourage a deeper understanding. This book is an ideal reference when writing essays, assignments and revising

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for exams.

This year the rates in the book include contractor's overheads and profit, making the book easier for design and planning professionals. Now in its 37th edition, Spon's External Works and Landscape Price Book 2018 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. Use the access code inside the front cover of the book to get set up with a VitalSource® ebook of this 2018 edition. This versatile and powerful online data viewing package is available for use until the end of December 2018. This NRM edition includes the following new items: BEGA external lighting Build-ups for Wienerberger Dutch paving bricks SUDS paving Alternative french drainage systems Pop-up power Porcelain paving Portland stone paving Portland stone walls and cladding And new Cost Models for commercial housing and civic environments. All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: material and measured work prices covering contract items from

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preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components detailed guidance on wage rates, landscape consultants' fee scales an extensive Approximate Estimates section for rapid spot estimating updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

The 'RICS New rules of measurement: Order of cost estimating and cost planning of building maintenance works (referred to as NRM 3)' is the 'cornerstone' of good cost management of capital building works projects - enabling more effective and accurate cost advice to be given to clients and other project team members, whilst facilitating better cost control. The NRM 3 Cost Management Handbook provides expert guidance on preparing order of cost estimates and cost plans using NRM 3 - given by the co-author of NRM 3. It not only explains how to use the rules for quantifying building works and preparing order of cost estimates and cost plans, but provides tips and techniques on how to use the rules as a toolkit for risk management and procurement - as well as explains how to use the rules to analysis actual costs for the purpose of collecting benchmark data and preparing cost analyses. In addition, the NRM 3 Cost Management Handbook explains how the rules in NRM 3 provide the basis for

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capturing historical cost data in the form required for future order of cost estimates and elemental cost plans, and illustrates how the rules are used to manage the complete 'cost management cycle'. The NRM 3 Cost Management Handbook also explains how the elemental breakdown and cost structures, together with the coding system, developed for NRM3 anticipates the widespread adoption of Building Information Modelling (BIM) - a process which attempts to maximise the return on investment by defining a fluid flow of data use. This information will be at the heart of the process and efficiency improvements for the construction industry. The NRM 3 Cost Management Handbook is essential to anyone who is involved in, as well as those who wish to be better informed about, the cost management of building maintenance works.

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

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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

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