

## Quantity Surveying And Costing Notes For Rgpv

*This book has 480 pages, includes procedure of Calculations for Concrete, Shuttering, Reinforcement and Finish work. can have Free preview of first 190 pages out of 480 pages. For complete book you need to purchase the book. cost of book is Rs. 1500.00. for more details you can visit our website:*

*[www.quantitiesurveyindia.com](http://www.quantitiesurveyindia.com)*

*The construction industry has been undergoing rapid change in the last decade since the publication of the Latham and Egan reports, and quantity surveying professionals have been at the forefront of those challenges. Changing attitudes to procurement and partnering, and the evolving role of clients, have put the QS profession at the heart of delivering major construction projects. Duncan Cartlidge assesses what has driven these changes, and what they mean for the profession and for the industry as a whole. He explains modern procurement methods, and assesses how much impact technology has had on construction management - and how much it might have in the future. The first edition of this*

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visionary book set out the future for Quantity Surveying - now that prediction has become reality, *New Aspects of Quantity Surveying Practice* is an even more indispensable guide to the opportunities and challenges facing the profession in the 21st Century. Duncan Cartlidge FRICS is a procurement consultant and teaches at The Scott Sutherland School and is an online tutor for The College of Estate Management, Reading. [www.duncancartlidge.co.uk](http://www.duncancartlidge.co.uk)

- Simple and clear assessment of the market for construction industry professionals
- Guide to the latest procurement theory and practice
- Assesses the impact of technology on the industry

The fourth edition of *Quantity Surveyor's Pocket Book* 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 are as follows: The impact of Brexit on construction and public procurement; New developments in digital construction; Renewed focus on ethics in

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*the industry; Up-to-date analysis of NRM1, 2 and 3; Latest practice guidance notes and government publications; Post-contract administration; A companion website with alternative approaches to taking off quantities using spreadsheets. 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.*

*Building Information Modelling (BIM) is a global phenomenon which is gaining significant momentum across the world. Currently there is little information on how to realise and monitor benefits from implementing BIM across the life-cycle of a built environment asset. This book provides a practical and strategic framework to realise value from implementing BIM by adapting Benefit Realisation Management theory. It presents an approach for practitioners aiming to implement BIM across the life-cycle of built environment assets, including both buildings and infrastructure. Additionally, the book features: wide-ranging information about BIM, the challenges of monitoring progress towards*

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*benefit goals and the greater context of implementation; a set of dictionaries that illustrate: how benefits can be achieved, what the benefit flows are and the enabling tools and processes that contribute to achieving and maximising them; a suite of measures that can serve to monitor progress with examples of how they have been used to measure benefits from BIM; real-world examples from across the world and life-cycle phases that show how these benefits can be achieved; and information on international maturity and competency measures to complement the value realisation framework. Including a blend of academic and industry input, this book has been developed in close collaborative consultation with industry, government and international research organisations and could be used for industry courses on BIM benefits and implementation for asset management or by universities that teach BIM-related courses.*

*Author Mohammed Haroon*

*A New Approach*

*New Aspects of Quantity Surveying Practice  
Integrated Building Information Modelling*

“This book looks to cover the differences the new professional will encounter as he takes on his new position

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overseas". The book not only covers the basic technical translations of the items likely to be encountered during your work, but also covers what I would call the "unspoken word" These are cultural differences, such as technical phrases, modern work concepts terminology, standard practices. The book takes the student through all stages of construction and explains in detail the principal phases that the student is expected to understand & know in the new Hi tech and fast changing environment. It will be a good reference book which will enable the student to rapidly adapt to their new environment by helping them understand the basic principles, working practices, descriptions etc which some countries will take for granted. A great aid for the aspiring foreign professional, I only wish it was available when I first came to Spain some 23 years ago! Peter Wilkey FCIQB CIOB Ambassador for Spain & Gibraltar ... Este excelente libro es una guía fundamental para los arquitectos españoles u otros profesionales que quieran conocer o desarrollar su labor en un entorno anglosajón... Luis M. Sendra Mengual, Presidente (CTAV) Colegio Territorial de Arquitectos de Valencia ... La vocación de internacionalización se ha convertido ahora en una exigencia que debemos atender... este libro es un importante primer paso... Rafael Sánchez Grandía, Director ESTIE UPV ... Una herramienta útil y una guía eficaz para el profesional de la construcción... José Ramón Roca Rivera, Presidente del Colegio de Aparejadores, Arquitectos Técnicos e Ingenieros de Edificación de Valencia.

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery,

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and in its industrial, commercial and social consequences". The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

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. 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

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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 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  
Laxton's Building Price Book 2002

Construction Cost Management

A Text for All Construction Professionals

FCS Drawings, Setting out, Quantities & Costing L3

Quantity Surveying for Builders

*In this updated and expanded second edition, Keith Potts and Nii Ankrah examine key issues in construction cost management across the building and civil engineering sectors, both in the UK and overseas. Best practice from pre-contract to post-contract phases of the project life-*

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*cycle are illustrated using major projects such as Heathrow Terminal 5, Crossrail and the London 2012 Olympics as case studies. More worked examples, legal cases, case studies and current research have been introduced to cover every aspect of the cost manager's role. Whole-life costing, value management, and risk management are also addressed, and self-test questions at the end of each chapter support independent learning. This comprehensive book is essential reading for students on surveying and construction management programmes, as well as built environment practitioners with cost or project management responsibilities.*

*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*



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*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. This code of practice, long established as a leading publication for the construction industry, provides an authoritative guide to essential principles and good practice in estimating for building work. The seventh edition includes new material on estimating strategy, tendering, procedures and best practice, as well as the build-up of unit rates of cost, overheads and profit, and e-commerce.*

*Construction Cost Management Learning from Case Studies Routledge*

*Quantity Surveyor's Pocket Book*

*Major and Small Works*

*Willis's Practice and Procedure for the Quantity Surveyor*

*Spon's Construction Cost and Price Indices Handbook*

*Procurement in the Construction Industry*

*This practical guide to cost studies of buildings has been updated and revised throughout for the 5th edition. New chapters have been added on the RICS New Rules of Measurement (NRM) for order of cost estimating and elemental cost planning, and on the procurement of construction projects.*

*Now in its 179th edition, Laxton's has become a firm favourite in the UK Building Industry. With more prices*

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*and more in-depth build-ups, Laxton's offers more practical and complete information than any other price book available This new edition takes into account major price variations that stem from raw material costs in the last few months. \* Higher-fuel costs have impacted on prices across the board, in particular costs of non-ferrous metals in increased \* Copper sheet and pipe show price increases of well above 50% in the last year, while zinc, lead and aluminium prices have also risen significantly \* There are savings in plaster and drainage goods, prices are down All the prices in Laxton's are based on the new 3 year Construction Industry Joint council wage rate agreement that came into force at the end of June 2006 \*Saving you time - comprehensive basic price and approximate estimating sections make putting together outline costings quicker and easier \*Saving you effort - all the information you need on each measured item is clearly set out on a single page, with a full break down of costs \*Saving you money - all 250,000 prices are individually checked and updated to make sure that your tender costs are precise*

*Historically employed to estimate and measure the likely material requirements for any building project, the role of the modern quantity surveyor is diverse, with a wide range of employers and geographical locations to match. Change continues to be a feature in quantity surveying practice, with the New Rules of Measurement, the RICS Black Book and Building Information Modelling (BIM) all adding to the already dynamic environment in which the Quantity Surveyor operates. This new edition of Practice and Procedure for the Quantity Surveyor reflects that*

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*dynamic environment, addressing changing practices and procedures in the profession, whilst focussing on the core skills which are essential to success. The 13th edition of this classic text, originally written by three generations of the Willis family (all quantity surveyors) continues to provide a thorough introduction to the work of the quantity surveyor in private practice, in public service and in contracting organisations. Cost models underlie all the techniques used in construction cost and price forecasting, yet until relatively recently industry has been unfamiliar with their characteristics and properties. An understanding of the various types of cost model is vital to enable effective cost control and the development of future forecasting techniques. This volume brings together more than 20 seminal contributions to building cost modelling and introduces the major landmarks in progress and thinking in this field: \* strategies and directions \* explorations in cost modelling \* cost-product/process modelling \* dealing with uncertainty*

*The strong techniques bias of this book will appeal to construction professionals involved in estimating, as well as researchers and students of building economics.*

*Code of Estimating Practice*

*Quantity Surveying Practice*

*Professional Notes*

*Spon's Architects' and Builders' Price*

*The Impact and Cost of Alternative Market and Supply Processes*

***Willis's Elements of Quantity Surveying has become a standard text in the teaching of building measurement - a core part of the curriculum for quantity surveyors.***

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Particularly in the latter editions it has eclipsed the other books on building measurement, partly because of the heritage, but mostly because of the logical approach and copious use of examples to guide the student. The new 11th edition has been fully updated to recognise the introduction of the New Rules of Measurement (NRM) by the Royal Institution of Chartered Surveyors (RICS), which reflect the way the modern QS works and provide a standard set of measurement rules that are understandable by all those involved in a construction project. Key features: First published in 1935, has been used by many generations of quantity surveyors and lecturers New edition fully updated to include the RICS new rules of measurement (NRM) Many examples updated to reflect current QS practice Revisers have extensive experience of teaching the subject through College of Estate Management courses The sudden arrival of Building Information Modelling (BIM) as a key part of the building industry is redefining the roles and working practices of its stakeholders. Many clients, designers, contractors, quantity surveyors, and building managers are still finding their feet in an industry where BIM compliance can bring great rewards. This guide is designed to help quantity surveying practitioners and students understand what BIM means for them, and how they should prepare to work successfully on BIM compliant projects. The case studies show how firms at the forefront

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of this technology have integrated core quantity surveying responsibilities like cost estimating, tendering, and development appraisal into high profile BIM projects. In addition to this, the implications for project management, facilities management, contract administration and dispute resolution are also explored through case studies, making this a highly valuable guide for those in a range of construction project management roles. Featuring a chapter describing how the role of the quantity surveyor is likely to permanently shift as a result of this development, as well as descriptions of tools used, this covers both the organisational and practical aspects of a crucial topic.

The construction industry and the quantity surveying profession have undergone rapid changes and this text explores the evolving market, examining the new construction culture, procurement strategies, e-practice and the QS, delivering added value, supply chain management and partnering.

*Quantity Surveying Practice: The Nuts and Bolts* is a practical guide to quantity surveying in building construction. Due to the increasing expectations of quality and performance from project clients, quantity surveyors must improve their professional skills to solve a variety of intricate problems and disputes confronting the demanding construction market. This practical book focuses on the basic concepts underlying

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*the technical aspects of quantity surveying and contains many worked examples together with useful figures and real-life cases to help readers digest and understand the essentials and become better professionals as a result. This book is organised and structured into seven chapters. Chapter 1 is about the estimation of construction costs. Chapter 2 gives an overview of tendering and tender documentation. Chapter 3 examines the procedure of tender examination and the approach to contract award. Chapter 4 reviews the whole process of an interim valuation from the submission of a payment application by the contractor to the issuance of an interim valuation by the quantity surveyor, identifying the key issues within the process. Chapter 5 examines the topic of construction claims. Chapter 6 addresses the cost control and monitoring in connection with construction projects. Chapter 7 is about dispute management and three commonly used dispute resolution mechanisms, namely mediation, adjudication and arbitration are introduced. This book is essential reading for students on quantity surveying and construction management programmes, as well as the APC candidates pursuing the professional quantity surveying pathway. It is also a useful reference for practicing quantity surveyors.*

**Estimating and Cost Planning Using the New Rules of Measurement**

**The Nuts and Bolts**

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## *Learning from Case Studies*

### *Construction Quantity Surveying*

#### *Building Economics*

Continuous Cost Improvement in Construction: Theory and Practice aims to provide students and practitioners with an all-inclusive understanding of strategies for adopting continuous improvement in construction cost management. This book addresses continuous improvement practices from the perspective of cost management and applies case study examples to question the readers' perspective of continuous cost improvement strategies in the project lifecycle.

Continuous cost improvement practices in managing the cost of minor, major, and mega projects are all connected with decision-making tools for devising strategies for choosing the approaches for mitigating the effect of cost overruns in construction projects. Continuous cost improvement should be taught as part of modern methods and processes of construction in further and higher education institutions. This book will be key reading for all advanced undergraduate and postgraduate courses in Construction Project Management, Building and Quantity Surveying. Professionals in all aspects of the AEC industry will also gain greatly from engaging with the key concepts of continuous cost improvement throughout this book.

In today's economic turmoil most materials costs are still rising but tender prices are falling sharply. So looking at price lists is not enough – you need Spon's Architects' and Builders' Price Book 2010 to find out what contractors are actually charging and to get for real price data. 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

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changing market conditions. This is the only price book which sets out a detailed cost base for Major Works contracts exceeding £3,500,000 in value. Major changes have been made to this 135th edition: Overheads and profits have been revised sharply downwards to 2.5% in line with actual levels. Preliminaries have also been dropped to 13%, on a lower cost base. And labour rates have been adjusted to reflect today's economic conditions. As well as updating all prices, Spon's Architects' and Builders' Price Book 2010 includes about 150 new Measured Works items, including: Additional ACO drainage systems such as Qmax – a large capacity drainage channel and Kerbdrain made from recycled and recyclable material An overhauled Kalzip roofing section Plus, over 900 key Approximate Estimate items with high & low rate ranges And 13 elemental building cost models Buyers of this 2010 edition can make a free internet download of Spon's Architects' and Builders' price data, which will run to the end of 2010 and: – Access Spon's new Approximate Estimates rate data, as well as the Measured Works data – Produce estimate and tender documents – Generate priced or unpriced schedules – Adjust rates and data and enter rogue items – Export schedules into Excel – Carry out an index search This year, for the first time, the download includes a versatile and powerful ebook. ...plus all 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 – 600 pages of Major and Minor Works items – Hundreds of alternative materials prices, easily substituted into the build-up calculations, 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, every four months – see insider for



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registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

Spon's Architects' and Builders' Price Book 2012, 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 o Students across a wide range of disciplines, ranging from construction management and construction engineering through to architecture, property and surveying should find this an invaluable textbook.

New Scientist

Spon's Architects' and Builders' Price Book 2011

A whole-of-life approach

Managing Measurement Risk in Building and Civil Engineering

Engineering News-record

***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. This comprehensively rewritten, updated and extended new edition of this established text focuses on what has become the most important single facet of the quantity surveyor's role - cost management. The scope of the book has been broadened to take account of the widening and more sophisticated cost***

**management and control service that clients now require. The book examines the factors influencing building costs and how the precontract costs can be estimated, analysed and controlled, to ensure that buildings can be completed within the agreed budget and timescale, and be of acceptable quality, function effectively and provide value for money. A new chapter on value management has been added, together with an introductory chapter on cost modelling; the chapter on life cycling costing is extended, while the sections on energy conservation and occupancy costs are expanded. Throughout the text many new case studies, with supporting tables and diagrams, are included in order to enhance the value of this book to the student and the practitioner.**

**With tender prices rising slightly, looking at price lists is not enough - you need SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2011 to get a competitive edge. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK, compiled by Davis Langdon, provides the most accurate, detailed and professionally relevant construction price information currently available for**

**This innovative Research Companion considers the history, nature and status of construction economics, and its need for**

***development as a field in order to be recognised as a distinct discipline. It presents a state-of-the-art review of construction economics, identifying areas for further research.***

***Delivering Value with BIM***

***BIM and Quantity Surveying***

***Transactions and Notes***

***Appraisal and control of building design cost and efficiency***

***Continuous Cost Improvement in Construction***

Building information modelling (BIM) is a set of interacting policies, processes and technologies that generates a methodology to manage the essential building design and project data in digital format throughout the building's life cycle. BIM, makes explicit, the interdependency that exists between structure, architectural layout and mechanical, electrical and hydraulic services by technologically coupling project organizations together. Integrated Building Information Modelling is a handbook on BIM courses, standards and methods used in different regions (Including UK, Africa and Australia). 13 chapters outline essential information about integrated BIM practices such as the BIM in site layout plan, BIM in construction product management, building life cycle assessment, quantity surveying and BIM in hazardous gas monitoring projects while also presenting information about useful BIM tool and case studies. The book is a useful handbook for engineering management professionals and trainees involved in BIM practice.

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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
- based on the author's successful Roadshows, organised by the RICS to promote the NRM
- companion websites provide support for learning: <http://ostrowskiquantities.com/> <http://ostrowskiquantities.com/a> and <http://www.wiley.com/go/ostrowski/estimating> [www.wiley.com/go/ostrowski/estimating/a](http://www.wiley.com/go/ostrowski/estimating/a)

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.

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Do recent moves in the construction industry towards collaborative working and other new procurement procedures really make good business sense?

Procurement in the Construction Industry is the result of research into this question and it includes the first rigorous categorizing of the differences between procurement methods currently in use. In the process of carrying out this research, the team has produced a comprehensive study of procurement methods which looks in detail at the relative benefits and costs of different ways of working, with sometimes surprising results. As such, it is not only a valuable guide for practitioners on the complexities of the procurement process, but also an outline of the relevance of economic theory to the construction sector.

Cost Modelling

Construction Economics

Quantity Surveying for the Use of Surveyors,  
Architects, Engineers and Builders

Theory and Practice

The essential Guide to Construction Management &  
Building Engineering