

# Africa Building Construction Cost Data 2013

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Spon's Civil Engineering and Highway Works Price UNEP/Earthprint

This is a book about how to manage the processes involved in a construction project towards a sustainable and regenerative endproduct. It covers key project management concepts and links the construction process to the objectives of UN SDGs and beyond zero carbon emissions throughout the whole project life cycle. This introductory textbook is written from a project manager's perspective including considerations of circular economy throughout the construction process focusing on a regenerative or restorative outcome. The book examines the importance of the type and purpose of a building, circularity and de-construction, the site, the client and its organisation, stakeholder considerations, the project organisation, the procurement of consultants and contractors, project performance during design and construction, project hand-over to the client, and the building's operation and maintenance. It also illustrates how to verify the building using existing environmental certifications, how to calculate carbon emissions, and how to deal with used construction materials from a circular economy perspective. International examples of best practice are included throughout, and the book is structured in a way which students will find engaging and easy to follow. This is an ideal textbook for use on construction, architecture, and engineering programmes where the emphasis must urgently be placed on students fostering regenerative construction solutions in their coming professional life.

[Living Wages Around the World](#)  
Routledge

This open access book utilizes new data to thoroughly analyze the main factors currently shaping the African housing market. Some of these factors include the supply

and demand for housing finance, land tenure security issues, construction cost conundrum, infrastructure provision, and low-cost housing alternatives. Through detailed analysis, the authors investigate the political economy surrounding the continent's housing market and the constraints that behind-the-scenes policy makers need to address in their attempts to provide affordable housing for the majority in need. With Africa's urban population growing rapidly, this study highlights how broad demographic shifts and rapid urbanization are placing enormous pressure on the limited infrastructure in many cities and stretching the economic and social fabric of municipalities to their breaking point. But beyond providing a snapshot of the present conditions of the African housing market, the book offers recommendations and actionable measures for policy makers and other stakeholders on how best to provide affordable housing and alleviate Africa's housing deficit. This work will be of particular interest to practitioners, non-governmental organizations, private sector actors, students and researchers of economic policy, international development, and urban development.

**Irregular Serials & Annuals** Routledge  
This submission functions as a place holder for texts to be developed under the Copenhagen Agreement in relation To The building sector. it is directly aligned with the draft Call for Action and essentially builds on the work of SBCI over the past three years. UNEP-SBCI proposes that emission reduction in buildings is recognized as an appropriate area for NAMA (Nationally Appropriate Mitigation Action) and that the development of frameworks required to monitor, report and verify such actions are included in a post-2012 Agreement.

[Construction in Southern Africa](#) Copyright Office, Library of Congress

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.

[Spon's African Construction Cost Handbook](#)  
Edward Elgar Publishing

More than just a price book, Spon's Civil Engineering and Highway Works Price Book 2006 is a comprehensive work manual that all those in the civil engineering, surveying and construction business will find it hard to work without. It gives costs for general and civil engineering works, highway works, and shows a full breakdown of labour, plant and material elements. Thoroughly comprehensive and structured to comply with CESMM3 and MMHW, the book includes prices and rates covering everything from rock bolts to runways, from staircases to step irons. In a time when it is essential to gain 'competitive advantage' in an increasingly congested market, this book provides instant-access cost information and is a one-stop reference containing tables, formulae, technical information and professional advice. This twentieth edition, in its easy-to-read format, incorporates a general review throughout, with special emphasis on the tender and estimating process. Plus the standard features you have come to expect from Spon's Civil Engineering and Highway Works Price Book:

for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice updated, free of charge, every three months – see enclosed card to register. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk) With FREE CD – ROM containing Spon's Civil Engineering and Highway Works price data. Human Settlements in Africa John Wiley & Sons Incorporated

This unique publication is the only detailed, multinational guide to the cost of the construction work across Africa. Countries covered are Algeria, Cameroon, Chad, Cote d'Ivoire, Gabon, The Gambia, Ghana, Kenya, Liberia, Nigeria, Senegal, South Africa and Zambia.

The Bowker International Serials Database Update Routledge

This manual describes a new methodology to measure a decent but basic standard of living in different countries and how much workers need to earn to afford this, making it possible for researchers to estimate comparable living wages around the world and determine gaps between living wages and prevailing wages, even in countries with limited secondary data.

Embodied Carbon in Buildings Routledge

This unique publication provides the only detailed, multinational guide to the cost of construction work across Africa. Thirteen chapters cover individual countries (Algeria, Cameroon, Chad, Cote d'Ivoire, Gabon, The Gambia, Ghana, Kenya, Liberia, Nigeria, Senegal, South Africa and Zambia) providing: key data on the main economic and constructi

Integrated Building Information Modelling

Pretoria University Law Press

The fragmentation of South Africa's cities persists despite the ending of apartheid. New forms of segregation are emerging in the context of globalisation and a largely neo-liberal policy environment. This poses an enormous challenge for policy-making, planning, and community activism. Although there has been an improvement in service infrastructure in certain parts of South African cities since 1994, the major structural changes required to alter the trajectory of urban change have not yet happened. This book provides a provocative, careful, analytical perspective on the problems of fragmentation, with particular reference to the provision of urban shelter. The cross-national nature of the author team reflects the fact that many of the issues facing South African cities are being experienced globally. This is a fascinating book. The text is both theoretical and practical. It will be of great value to policy-makers, planners, community leaders, and students in the field of development and the built environment.

Economics for the Modern Built Environment

CRC Press

Recent decades have seen a major social and economic changes across the developed world and consequent changes in the construction and property industries. The discipline of construction economics needs to respond to this. For instance, the importance of sustainable development has become recognised, as has the need to increasingly master the medium and long-term consequences of construction, not only in the production but also in the management of buildings across their whole life-cycle. And the new focus on the service rendered by buildings, as distinct from the buildings themselves, has prompted a new approach to the construction and property industries. Any economic analysis of these sectors has to take account of all the participants involved in the life-cycle of building structures – not only in the design and construction, but also in the operation, maintenance, refurbishment and demolition of property. This innovative new book draws on the work of the Task Group of the CIB (International Council for Research and Innovation) on Macroeconomics for Construction. It pulls together discussions of mesoeconomic and macroeconomic models and methodologies in construction economics and presents an exciting approach to the analysis of the operation and function of the construction and property sector within the economy. Graduate students and researchers will find it an invaluable work.

Construction for a Regenerative Future CRC Press

The problems inherent in the traditional design-bid-build procurement method often lead to the adversarial working relationships within the construction industry. Target cost contracts, accompanied by a gain-share/pain-share arrangement serving as a cost incentive mechanism, have emerged in the United States, the United Kingdom, Australia and Hong Kong with the aim of achieving better value for money and more satisfactory overall project performance under a collaborative working relationship. This book presents the underlying principles, practicalities and a series of short case studies of applying the target cost contracting strategy. Principles begin with the fundamentals then cover the development of target cost contracting in major countries/cities, definitions of target cost contracting, perceived benefits, potential difficulties and critical success factors for implementation. Practices include the target cost contracting approach and process in general, the key risk factors, risk assessment model, risk allocation and risk mitigation measures for target cost contracts in particular, together with a conceptual framework for the performance measurement of target cost contracts. Several short real-life case studies from the United Kingdom, Hong Kong, Australia and New Zealand are provided for further illustration. The book will appeal to a

wide spectrum of readers from industrial practitioners to undergraduate students, researchers and academics interested in construction contracts and procurement methods.

Mining for Change CRC Press

RSMean Cost Data, Student Edition provides a thorough introduction to cost estimating in a self-contained print and online package. With clear explanations and a hands-on, example-driven approach, it is the ideal reference for students and new professionals who need to learn how to perform cost estimating for building construction. Features include: Commercial and residential construction cost data in print and online formats Complete how-to guidance on the essentials of cost estimating A supplemental website with plans, specifications, problem sets, and a full sample estimate With more than 930 Location Factors in the United States and Canada, the data includes up-to-date system prices for more than 100 standard assemblies and in-place costs for thousands of alternates—making it easy to customize budget estimates and compare system costs. UNIT PRICES (organized in MasterFormat 2010) 1 General Requirements 2 Existing Conditions 3 Concrete 4 Masonry 5 Metals 6 Woods, Plastics & Composites 7 Thermal & Moisture Protection 8 Openings 9 Finishes 10 Specialties 11 Equipment 12 Furnishings 13 Special Construction 14 Conveying Equipment 21 Fire Suppression 22 Plumbing 23 Heating, Ventilating & Air Conditioning 26 Electrical 27 Communications 28 Electronic Safety & Security 31 Earthwork 32 Exterior Improvements 33 Utilities ASSEMBLIES A Substructure B Shell C Interiors D Services E Equipment & Furnishings F Special Construction G Building Site Work REFERENCE INFORMATION Equipment Rental Costs Crews Cost Indexes Reference Tables Square Foot Costs

Africa's Transport Infrastructure Routledge

Despite the size, complexity and importance of the construction industry, there has been little study to date which focuses on the challenge of drawing reliable conclusions from the available data. The accuracy of industry reports has an impact on government policy, the direction and outcomes of research and the practices of construction firms, so confusion in this area can have far reaching consequences. In response to this, Measuring Construction looks at fundamental economic theories and concepts with respect to the construction industry, and explains their merits and shortcomings, sometimes by looking at real life examples. Drawing on current research the contributors tackle: industry performance productivity measurement construction in national accounts comparing international construction costs and prices comparing international productivity The scope of the book is international, using data and publications from four continents, and tackling head on the difficulties arising from

measuring construction. By addressing problems that arise everywhere from individual project documentation, right up to national industrial accounts, this much-needed book can have an impact at every level of the industry. It is essential reading for postgraduate construction students and researchers, students of industrial economics, construction economists and policy-makers.

Survey of Economic Conditions in Africa CRC Press

Books on green building theories, principles and strategies applicable to life cycles of all kinds of buildings and building types are already widely available. However, those specifically on greening affordable housing that guide various housing stakeholders at different life cycles are still very limited. This book intends to fill this gap.

Integrating green building enables stakeholders to address the environmental component that has not traditionally been seen as an integral part of affordable housing development. The book presents theories and principles with practical methods, strategies and processes not only to make affordable housing green but also to support economic stability and social equity.

RSMeans Cost Data, + Website Juta and Company Ltd

This book provides a single-source reference for whole life embodied impacts of buildings. The comprehensive and persuasive text, written by over 50 invited experts from across the world, offers an indispensable resource both to newcomers and to established practitioners in the field. Ultimately it provides a persuasive argument as to why embodied impacts are an essential aspect of sustainable built environments. The book is divided into four sections: measurement, including a strong emphasis on uncertainty analysis, as well as offering practical case studies of individual buildings and a comparison of materials; management, focusing in particular on the perspective of designers and contractors; mitigation, which identifies some specific design strategies as well as challenges; and finally global approaches, six chapters which describe in authoritative detail the ways in which the different regions of the world are tackling the issue.

Catalog of Copyright Entries. Third Series  
Bentham Science Publishers

This unique publication provides the only detailed, multinational guide to the cost of construction work across Africa. Thirteen chapters cover individual countries (Algeria, Cameroon, Chad, C ô te d'Ivoire, Gabon, The Gambia, Ghana, Kenya, Liberia, Nigeria, Senegal, South Africa and Zambia) providing: key data on the main economic and construction indicators an outline of the national construction industry, covering structure, tendering and contract procedures, regulations and standards labour and materials cost data measured rates for a range of construction work items approximate estimating costs for a range of building types price index data and exchange rate movements against £ sterling and US \$ addresses of public and private construction related organisations. To facilitate country-to-country comparisons the book also includes a comparative data section and comparative regional information with figures

given in national currencies, £ sterling and US \$. Extensively revised and thoroughly updated with additional reference to civil engineering and infrastructure projects, this book provides more supplementary information and includes costs based on locally-sourced materials to enable quick and useful comparisons. This new edition is the indispensable guide to African construction costs.

Measuring Construction Routledge

This book focuses on the impacts of the built environment, and how to predict and measure the benefits and consequences of changes taking place to address sustainability in the development and building industries. It draws together the best treatments of these subjects from the Leeds Sustainability Institute ' s inaugural International Conference on Sustainability, Ecology, Engineering, Design for Society (SEEDS). The focus of discussion is on understanding how buildings and spaces are designed and nurtured to obtain optimal outcomes in energy efficiency and environmental impacts. In addition to examining technical issues such as modeling energy performance, emphasis is placed on the health and well-being of occupants. This holistic approach addresses the interdependence of people with the built and natural environments. The book ' s contents reflect the interdisciplinary and international collaboration critical to assembly of the knowledge required for positive change.

Where to Find Business Information

Routledge

For a growing number of countries in Africa the discovery and exploitation of natural resources is a great opportunity, but one accompanied by considerable risks. This book presents research on how to better manage the revenues and opportunities associated with natural resources.

Communicating Construction John Wiley & Sons

This book is designed to help practitioners and students in a wide range of construction project management professions to understand what building information modelling (BIM) and big data could mean for them and how they should prepare to work successfully on BIM-compliant projects and maintain their competencies in this essential and expanding area. In this book, the state-of-the-art information technologies that support high-profile BIM implementation are introduced, and case studies show how BIM has integrated core quantity surveying and cost management responsibilities and how big data can enable informed decision-making for cost control and cost planning. The authors' combined professional and academic experience demonstrates, with practical examples, the importance of using BIM and particularly the fusion of BIM and big data, to sharpen competitiveness in global and domestic markets. This book is a highly valuable guide for people in a wide range of construction project management and quantity surveying roles. In addition, implications for project management, facilities management, contract administration, and dispute resolution are also explored through the case studies, making this book essential reading for built environment and engineering professionals.

Highways and Agricultural Engineering,  
Current Literature World Bank Publications

This unique publication provides the only

detailed, multinational guide to the cost of construction work across Africa. Thirteen chapters cover individual countries (Algeria, Cameroon, Chad, C ô te d'Ivoire, Gabon, The Gambia, Ghana, Kenya, Liberia, Nigeria, Senegal, South Africa and Zambia) providing: key data on the main economic and construction indicators an outline of the national construction industry, covering structure, tendering and contract procedures, regulations and standards labour and materials cost data measured rates for a range of construction work items approximate estimating costs for a range of building types price index data and exchange rate movements against £ sterling and US \$ addresses of public and private construction related organisations. To facilitate country-to-country comparisons the book also includes a comparative data section and comparative regional information with figures given in national currencies, £ sterling and US \$. Extensively revised and thoroughly updated with additional reference to civil engineering and infrastructure projects, this book provides more supplementary information and includes costs based on locally-sourced materials to enable quick and useful comparisons. This new edition is the indispensable guide to African construction costs.