

QUANTITY SURVEYING

Q: Prepare an estimate of the building shown below:

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Door D : 1.20 x 2.10
Window W : 1.00 x 1.50

Wall thickness = 30cm

Ans:

Sl. No.	Item of Work	No.	L	B	H	Quantity	Remarks
1.	Earthwork in excavation using manual or mechanical means, for foundation trenches	1	39.50	0.60	0.80	18.96 m ³	Assume foundation trench 60 cm wide & 80 cm deep. Centerline lengths outer : $(4.00 + 6.00 + 0.30 + 6.00 + 0.30) \times 2 = 33.80$ m Inner = $(6.00 + 0.30) - 0.60 = 5.70$ m Total c/l length = 39.50 m
2.	Plain Cement Concrete of mix 1:4:8 in foundation	1	39.50	0.60	0.20	4.74 m ³	Assume 20 cm thickness c/l Length same as above = 39.50 m
3.	Random Rubble Masonry in cement mortar 1:6.						Assume foundation of 60 cm width & 60 cm depth. Basement of size 45 x 45 cm. c/l for foundation outer = 33.80 m inner = $(6.00 + 0.30) - 0.60$ Total = 39.50 m c/l for Basement outer = 33.80 m inner = $(6.00 + 0.30) - 0.45$ Total = 39.65 m
	(a) In Foundation	1	39.50	0.60	0.60	14.22 m ³	
	(b) In Basement	1	39.65	0.45	0.45	8.02 m ³	
						22.25 m ³	

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Padhraic Smyth



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Managing Measurement Risk in Building and Civil Engineering Peter Williams, 2015-11-16 Measurement in civil engineering and building is a core skill and the means by which an architectural or engineering design may be modelled financially providing the framework to control and realise designs within defined cost parameters to the satisfaction of the client Measurement has a particular skill base but it is elevated to an art because the quantity surveyor is frequently called upon to interpret incomplete designs in order to determine the intentions of the designer so that contractors may be fully informed when compiling their tenders Managing Measurement Risk in Building and Civil Engineering will help all those who use measurement in their work or deal with the output from the measurement process to understand not only the ins and outs of measuring construction work but also the relationship that measurement has with contracts procurement claims and post contract control in construction The book is for quantity surveyors engineers and building surveyors but also for site engineers required to record and measure events on site with a view to establishing entitlement to variations extras and contractual claims The book focuses on the various practical uses of measurement in a day to day construction context and provides guidance on how to apply quantity surveying conventions in the many different circumstances encountered in practice A strong emphasis is placed on measurement in a risk management context as opposed to simply taking off quantities It also explains how to use the various standard methods of measurement in a practical working environment and links methods of measurement with conditions of contract encompassing the contractual issues connected with a variety of procurement methodologies At the same time the many uses and applications of measurement are recognised in both a main contractor and subcontractor context Measurement has moved into a new and exciting era of on screen quantification and BIM models but this has changed nothing in terms of the basic principles underlying measurement thoroughness attention to detail good organisation making work auditable and above all understanding the way building and engineering projects are designed and built This book will help to give you the confidence to both measure and understand measurement risk issues by presenting the subject of measurement in a modern context with a risk management emphasis recognising the interrelationship of measurement with contractual issues including identification of pre and post contract measurement risk issues emphasising the role of measurement in the entirety of the contracting process particularly considering measurement risk implications of both formal and informal tender documentation and common methods of procurement conveying the basic principles of measurement and putting them in an IT context incorporating detailed coverage of NRM1 and NRM2 CESMM4 Manual of Contract Documents for Highway Works and POM I including a comparison of NRM2 with SMM7 and a detailed analysis of changes from CESMM3 to CESMM4 discussing the measurement implications of major main and sub contract conditions JCT NEC3 Infrastructure Conditions and FIDIC providing detailed worked examples and explanations of computer based measurement using a variety of industry standard software packages Multinational Maids Anju Mary

Paul,2017-09-28 Explores how global markets middlemen and destination aspirations drive the stepwise migrations of Filipino and Indonesian migrant domestic workers ITJEMAST 11(2) 2020 , International Transaction Journal of Engineering Management Applied Sciences Technologies publishes a wide spectrum of research and technical articles as well as reviews experiments experiences modelings simulations designs and innovations from engineering sciences life sciences and related disciplines as well as interdisciplinary cross disciplinary multidisciplinary subjects Original work is required Article submitted must not be under consideration of other publishers for publications **FIDIC Contracts in Africa and the Middle East** Donald Charrett,2023-09-20 FIDIC contracts are the most widely used contracts for international construction around the world and are used in many different jurisdictions both common law and civil law For any construction project the General Conditions of Contract published by FIDIC need to be supplemented by Particular Conditions that specify the specific requirements of that project FIDIC Contracts in Africa and the Middle East A Practical Guide to Application provides readers with detailed guidance and resources for the preparation of the Particular Conditions that will comply with the requirements of the laws that apply to the site where the work is carried out and for the governing law of the contract for a number of the jurisdictions in which FIDIC contracts are or can be used This book closely follows the format of The International Application of FIDIC Contracts Each jurisdiction features an outline of its construction industry and information on the impact of COVID 19 on both the execution and operation of construction contracts This book is essential reading for construction professionals lawyers and students of construction law **Arctic Maritime Logistics** Igor Ilin,Tessaleno Devezas,Carlos Jahn,2022-03-09 The modern shipping industry has reached maturity market demand and landscape shifts force industry agents to find new pathways to successful development The Northern Sea Route NSR as a new pathway between Europe and Asia brings both opportunities and challenges to global logistics systems These circumstances make commercial exploitation of the route a subject of intense focus in many countries actively involved in sea transportation This book identifies specific problems and provides possible solutions to them by calling on the accumulated knowledge of researchers and practitioners with competencies from diverse areas including transport and logistics Arctic studies IT and digital technologies socio economic systems analysis hydrocarbon production transport business modeling design of information systems and applications and engineering requirements for IT services It represents the integrated experience and expertise of researchers from Canada Germany Russia and the Netherlands including experts from oil and gas enterprises shipping lines logistics companies and IT companies *Willis's Elements of Quantity Surveying* Roy Hills,Sandra Lee,2024-02-08 Willis s Elements of Quantity Surveying A fully updated new edition of the classic quantity surveyor s guide Quantity Surveying QS involves the practice and management of costs related to building and civil engineering projects Built on the fundamental skill of measuring building quantities QS practitioners offer a range of services including cost assessments for life cycles reducing carbon emissions and more For almost ninety years Willis s Elements of

Quantity Surveying has been the indispensable introduction to the theory and practice of quantity surveying. Now updated to reflect the latest standards and practices, it promises to train a new generation of skilled contributors to the building and engineering trades. Readers of the fourteenth edition of Willis's *Elements of Quantity Surveying* will also find a new chapter on measuring electrical works. Companion website with videos and worked through examples for instructors. Updates reflecting the 2021 edition of the Royal Institution of Chartered Surveyors New Rules of Measurement 2. Willis's *Elements of Quantity Surveying* is ideal for all undergraduate students in quantity surveying and related construction disciplines. *A Practical book for Quantity Surveying* Mohammed Haroon, 2020-10-07. This book has 480 pages, includes procedure of Calculations for Concrete Shuttering Reinforcement and Finish work. You can have a free preview of the first 190 pages out of 480 pages. For the complete book, you need to purchase the book. The cost of the book is Rs 1500.00. For more details, you can visit our website www.quantitiesurveyindia.com.

Cape Times Directory of Southern Africa, 1967. [Proceedings of the Institution of Civil Engineers](#), 2005.

Construction Digitalisation Douglas Aghimien, Clinton Aigbavboa, Ayodeji Oke, Wellington Thwala, 2021-07-25. This book explores construction digitalisation particularly in developing countries. The book conceptualises a digitalisation capability maturity model that will enable construction organisations to self-assess and benchmark their digital capabilities in their quest for digital transformation. Digitalisation offers a significant solution to the age-long problems of the construction industry. Research shows that when construction organisations transform from a traditional service delivery approach to a more digitalised approach, significant improvement in project delivery and better competitive advantage for these organisations will be attained. The attainment of these benefits is evident in developed countries where the digitalisation of construction activities continues apace. Unfortunately, the story is not the same for construction organisations in developing economies. While some organisations might be willing to be digitally transformed, most have no clue how to go about it. To this end, this book provides guidelines for construction organisations seeking to transform their entities digitally. Its content is a valuable read for construction company owners as it provides a model which they can use in the digitalisation of their activities. Also, regulatory bodies in the construction industry can adopt the capabilities identified in the book as essential prerequisites for their members. Furthermore, the book serves as excellent theoretical background reading for management researchers seeking to expand their knowledge on the digitalisation of the construction industry and other associated industries.

Contractual Procedures in the Construction Industry Allan Ashworth, Srinath Perera, 2018-03-13. *Contractual Procedures in the Construction Industry* 7th edition aims to provide students with a comprehensive understanding of the subject and reinforces the changes that are taking place within the construction industry. The book looks at contract law within the context of construction contracts; it examines the different procurement routes that have evolved over time and the particular aspects relating to design and construction lean methods of construction and the advantages and disadvantages of PFI, PPP and its variants. It covers the development of partnering

supply chain management design and build and the way that the clients and professions have adapted to change in the procurement of buildings and engineering projects This book is an indispensable companion for students taking undergraduate courses in Building and Surveying Quantity Surveying Construction Management and Project Management It is also suitable for students on HND C courses in Building and Construction Management as well as foundation degree courses in Building and Construction Management Key features of the new edition include A revised chapter covering the concept of value for money in line with the greater emphasis on added value throughout the industry today A new chapter covering developments in information technology applications building information modelling blockchains data analytics smart contracts and others and construction procurement Deeper coverage of the strategies that need to be considered in respect of contract selection Improved discussion of sustainability and the increasing importance of resilience in the built environment Concise descriptions of some the more important construction case laws Journal of Land Use and Development Studies ,2005 **Top 100 Careers Without a Four-year Degree** Michael Farr,2009 Many jobs without a four year degree are growing Explore 100 careers that don t require a bachelor s degree assess which ones match your skills and get the job you want quickly with this authoritative resource In one time saving volume job seekers and students find everything they need to research careers learn about pay outlook education and skills for the 100 jobs match their personal skills to the jobs and take seven steps to land a good job in less time This book provides in alphabetical order thorough current and interesting descriptions of 100 jobs that you can obtain without four years in college A special book within a book section describes the seven steps that cut job search time in half and includes sample targeted resumes by professional resume writers An easy to use assessment matches your personal skills with the characteristics of the occupations described in the book This new edition features fresh occupational facts and an at a glance Projections Data table through 2016 for every job The Job Match Grid and the Quick Job Search section have been updated as well *Civil Engineering Education Issues 2001* Donn E. Hancher,2001 This collection contains 13 papers presented at the Third National Congress on Civil Engineering Education at the 2001 ASCE Annual Conference held in Houston Texas October 10 13 2001 *New Zealand Engineering* ,1961 Taking Off Quantities: Civil Engineering Bryan Spain,1995-03-09 This book provides a thorough understanding of the general principles of measurement for taking off quantities An essential guide to any quantity surveyor architect or engineer Taking off quantities Civil Engineering demonstrates through a series of detailed worked examples from a range of civil engineering projects how the measurement techni Transactions of the American Society of Civil Engineers American Society of Civil Engineers,2006 Vols 29 30 contain papers of the International Engineering Congress Chicago 1893 v 54 pts A F papers of the International Engineering Congress St Louis 1904 **The Building News and Engineering Journal** ,1906 *BIG BOOK OF JOBS, 2009-2010* McGraw-Hill Editors,2008-09-23 Comprehensive up to the minute information on top jobs and job search techniques from the United States Department of Labor With up to the minute

data from the U S Department of Labor plus cutting edge career strategies from McGraw Hill The Big Book of Jobs saves you precious time by offering everything you need for job hunting in a single volume From building career management skills and writing resumes to exploring 250 career possibilities this resource arms you with the tools to effectively pound the pavement

Encyclopedia of Women & Islamic Cultures Suad Joseph,Afsaneh Najmabadi,2003 Focuses on women and the civilizations and societies in which Islam has played a historic role Surveys all facets of life society economy politics religion the arts popular culture sports health science medicine environment and so forth of women in these societies

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