

# Calculata The Estimate of Building Construction

Sr. No.	Item Description	No.	Length (m)	Width/Breadth (m)	Height/Depth (m)	Quantity	Unit
<b>1</b>	<b>Earthwork in Excavation in Foundation:</b>		<b>L</b>	<b>B</b>	<b>H</b>	<b>cu.m</b>	
	<b>Footing (1m x 1m)</b> Depth From GL = 0.6 + 1 + 0.6 0.6 =Extra For working space	11	2.200	2.200	1.580	84.12	cu m
	<b>Total Qty=</b>					<b>84.12</b>	<b>cu m</b>
<b>2</b>	<b>Footing PCC</b>						
	<b>Footing (1m x 1m)</b> Thickness = 0.075 D = 0.150 + 1.0 + 0.150	11	1.300	1.300	0.075	1.39	cu m
	<b>Total Qty=</b>					<b>1.39</b>	<b>cu m</b>
<b>3</b>	<b>Footing RCC</b>						
	<b>Base(1m x 1m)</b> Thickness = 0.450	11	1.000	1.000	0.450	4.95	cu m
	<b>Total Qty=</b>					<b>4.95</b>	<b>cu m</b>
<b>4</b>	<b>Column up to Plinth Level RCC</b>						
	<b>Column</b>	11	0.230	0.230	1.050	0.61	cu m
	<b>Total Qty=</b>					<b>0.61</b>	<b>cu m</b>
<b>5</b>	<b>Back-filling</b>						
<b>5.a</b>	<b>Back-filling In Footing</b>						
	Excavation Area	11	2.200	2.200	1.580	84.12	cu m
	<b>Deduction</b>						
	Footing P.C.C	-11	1.300	1.300	0.075	-1.39	cu m
	Footing RCC	-11	1.000	1.000	0.450	-4.95	cu m
	Footing Column	-11	0.230	0.230	1.050	-0.61	cu m
	<b>5.a Total Qty=</b>					<b>77.16</b>	<b>cu m</b>

# Civil Engineering Estimation Formula

**American Congress on Surveying and  
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*Life Cycle Costing for Engineers* B.S. Dhillon, 2009-10-26 Cradle to grave analyses are becoming the norm as an increasing amount of corporations and government agencies are basing their procurement decisions not only on initial costs but also on life cycle costs And while life cycle costing has been covered in journals and conference proceedings few if any books have gathered this information into an **Technical Papers of the American Congress on Surveying and Mapping Fall Technical Meeting, Niagara Falls, NY, Oct. 7-10, 1980** American Congress on Surveying and Mapping, 1980 **Technical Papers of the American Congress of Surveying and Mapping Fall Technical Meeting** American Congress on Surveying and Mapping. Fall Technical Meeting, 1980 *Advances in Civil Structures* Li Tian, 2013-08-08 Selected peer reviewed papers from the 2013 International Conference on Civil Architecture and Building Materials 3rd CEABM 2013 May 24 26 2013 Jinan China 2025-26 SSC JE/UPPSC AE Civil Engineering Complete Study Material A-Z. YCT Expert Team , 2025 26 SSC JE UPPSC AE Civil Engineering Complete Study Material A Z 208 395 E This book is useful for all the Civil Examinations **Technical Papers of the American Congress on Surveying and Mapping** , 1980 **Advances in Civil Engineering, ICCET 2011** Xue Jun Zhou, 2011-09-08 Selected peer reviewed papers from the 2011 International Conference on Civil Engineering and Transportation ICCET 2011 14 16 October 2011 Jinan China **Shallow Flows** Gerhard H. Jirka, Wim S.J. Uijtewaal, 2004-09-15 This text presents the key findings of the International Symposium held in Delft in 2003 which explored the process of shallow flows Shallow flows are found in lowland rivers lakes estuaries bays coastal areas and in density stratified atmospheres and may be observed in puddles as in oceans They impact on the life and work of a wide variety of readers who are here provided with a clear overview of the subject Shallow flows are intrinsically turbulent On one hand there are strongly three dimensional small scale turbulent motions and on the other hand large scale quasi two dimensional turbulence This book explains and examines these differences and their effects with sections on transport processes in shallow flows shallow jets wakes and mixing layers stratified and rotating flows in ocean and atmosphere river and channel flows and numerical modelling and turbulence closure techniques The reader is provided with the pick of current studies and a fresh approach to the subject with expert examination of a fascinating and crucial phenomenon of our world s water systems **Computing Research & Innovation (CRINN) Vol 2, October 2017** Mahfudzah Othman, Mohammad Hafiz Ismail, Nadia Abdul Wahab, 2017-11-05 CRINN Computing Research and Innovation Volume 2 October 2017 is a compilation of peer reviewed research papers technical and concept papers and innovations among the academicians from Faculty of Computer and Mathematical Sciences Universiti Teknologi MARA Perlis Branch and other universities from all over Malaysia CRINN also serves as a sharing center for every faculty members and others to share their research findings experiences and innovations This volume comprises a selection of 38 scholarly articles from Mathematical Sciences Computer Sciences Computer Network Information Technology and

System Sciences fields      **Cyclopedia of Civil Engineering** ,1914      **Cyclopedia of Civil Engineering** American School of Correspondence, Chicago,1909      **Proceedings of 10th International Conference on Building Materials and Construction** Tan Kiang Hwee,2025-08-02 This book presents the proceedings of 10th International Conference on Building Materials and Construction held at Okinawa Japan on 21 24 Feb 2025 It showcases the latest advancements in sustainable building materials construction techniques and architectural design From groundbreaking research to practical applications this book is a must have resource for researchers engineers architects and industry professionals looking to stay at the forefront of the construction industry      Selected Water Resources Abstracts ,1990-07      **Civil Engineering Transactions** ,1972      **Roorkee Treatise on Civil Engineering** John Clibborn,1909      *Transactions of the Japan Society of Civil Engineers* Doboku Gakkai,1954      *The Principles of Civil Engineering as Applied to Agriculture and Estate Management* Alan Bagot,1885      **APAC 2019** Nguyen Trung Viet,Dou Xiping,Tran Thanh Tung,2019-09-25 This book presents selected articles from the International Conference on Asian and Pacific Coasts APAC 2019 an event intended to promote academic and technical exchange on coastal related studies including coastal engineering and coastal environmental problems among Asian and Pacific countries regions APAC is jointly supported by the Chinese Ocean Engineering Society COES the Coastal Engineering Committee of the Japan Society of Civil Engineers JSCE and the Korean Society of Coastal and Ocean Engineers KSCOE APAC is jointly supported by the Chinese Ocean Engineering Society COES the Coastal Engineering Committee of the Japan Society of Civil Engineers JSCE and the Korean Society of Coastal and Ocean Engineers KSCOE      *Indian Civil Engineering College, Coopers Hill* Royal Indian Engineering College,1871      **The Engineering Index** John Butler Johnson, Henry Harrison Suplee, Johannes H. Cuntz, Charles Buxton Going, 1892

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web problem 1 light travels through a vacuum at a speed of  $2.998 \times 10^8$  m/s determine the speed of light in the following media a water  $n = 1.333$  b crown glass  $n = 1.52$  c cubic zirconia  $n = 2.16$  d diamond  $n = 2.419$  audio guided solution show answer

problem 2 consider the three diagrams below