Mindluster Platform

About the course Road earthwork quantity calculation

Road earthwork quantity calculation course, in this course we will learn about Road Earthwork Quantity Calculation, focusing on the essential techniques and principles needed to accurately estimate the volume of earthwork required for road construction projects. Participants will explore the fundamental concepts of earthwork calculation, including the determination of cut and fill volumes, cross-sectional area calculations, and the application of geometric and mathematical methods. The course will cover advanced techniques for surveying and data collection, as well as the use of modern digital tools and software, such as AutoCAD Civil 3D and other earthwork estimating programs, to enhance accuracy and efficiency. Practical applications will include step-by-step procedures for calculating earthwork quantities from road design plans, topographic maps, and field survey data. Through hands-on exercises, students will gain experience in using various methods for volume calculation, such as the Average End Area method, the Prismoidal formula, and other relevant techniques. The course will also address common challenges in earthwork quantity estimation, such as dealing with irregular terrain and ensuring compliance with project specifications and standards.

Engineering Category's Courses

Course Lesson(92)

Lesson 1 :
Estimation Building Estimation and Costing Estimation and Costing cost estimation 2024

Lesson 2 :
How to Calculate Water Tank Capacity In Liters How to calculate Volume of A Tank Water Tank

Lesson 3 :
Cost of Construction of One Room 10x10 ft Room Construction Cost ek room banane ka kharcha 2024

Lesson 4 :
1000 sq ft House Wiring Cost 1000 sq ft à¤˜à¤° à¤®à¥‡à¤‚, à¤‡à¤²à¥‡à¤•à¥ŸÀà¥à¤°à¤¿à¤•à¤² à¤µà¤¾à¤¯à¤°à¤¿à¤‚à¤— à¤•à¥‡ à¤¿à¤¸à¤¾à¤¬ à¤•à¤¿à¤¤à¤¨à¤¾ à¤–à¤°à¥à¤š à¤†à¤¤à¤¾ à¤¹à¥ˆ Best

Lesson 5 :
Full Building Estimation in Excel sheet Estimation House Estimation Estimation Costing 2024

Lesson 6 : **Estimation of Building Part 2 Building Estimation House Estimation Estimate**

Lesson 7 :
Building Estimation Estimation of Building Estimation and Costing House Estimation 2024

Lesson 8 :
House construction cost calculator 2024 How to Calculate House Construction House Cost Excel

Lesson 9 :
House Construction Cost Calculation 2024 Cost Construction 2024 Ghar Ka kharcha 2024

Lesson 10 :
Building Estimation House Estimate Building Estimate in Excel Estimation of Building 2022

Lesson 11 :
How to Prepare BOQ How to Prepare Bill of Quantities BOQ Contractor Billing Excel Sheet

Lesson 12 :
RCC Column Footing Estimation Column Footing Volume Calculation Column Footing 2024

Lesson 13 : **1000 sq ft house construction cost 2024 Material required for house Construction**

Lesson 14 : **Estimation One Room 2021**

Lesson 15 :
Design of Septic Tank for Home Design of Septic Tank Septic Tank Design for House 2024

Lesson 16 : **Full Building Estimation in Excel sheet Estimation and Costing Excel Sheet 2024**

Lesson 17 : **1000 Square feet house Slab Construction cost 1000 sqft House Construction Cost 2024**

Lesson 18 : **Estimation of Building Centre Line Method 2021**

Lesson 19 :
Volume of Sand in Truck à¤¬à¤¾à¤², à¤à¤µà¤, à¤—à¤¿à¤Ÿà¥à¤Ÿà¥€ à¤•à¥‡ à¤Ÿà¥à¤°à¤• à¤•à¥‹ à¤•à¥ˆà¤¸à¥‡ à¤®à¤¾à¤ªà¥‡à¤‚ à¤Ÿà¥à¤°à¤• à¤®à¥‡à¤‚, à¤•à¤¿à¤¤à¤¨à¥€ à¤°à¥‡à¤¤ à¤†à¤¤à¥€ à¤¹à¥ˆ

Lesson 20 :
500 sq ft à¤¸à¥à¤²à¥ˆà¤¬ à¤®à¥‡à¤‚, à¤•à¤¿à¤¤à¤¨à¤¾ à¤¸à¥€à¤®à¥‡à¤‚à¤Ÿ à¤°à¥‡à¤¤ à¤—à¤¿à¤¨à¤¾ à¤¹à¥ˆ à¤”à¤° à¤¸à¤°à¤¿à¤¯à¤¾ à¤²à¤—à¥‡à¤—à¤¾ 500 sq ft à¤•à¤¿à¤¤à¤¨à¥€ à¤¸à¤°à¤¿à¤¯à¤¾ à¤”à¤° à¤¸à¥€à¤®à¥‡à¤‚à¤Ÿ

Lesson 21 : **How to Calculate Weight of Steel Bar in Kg**

Lesson 22 : **Building Valuation House Valuation Valuation of Building Building Valuation Methods**

Lesson 23 : **Staircase Reinforcement Calculation Full Estimate in Excel Sheet 2024 Estimation 2024**

Lesson 24 : **How to calculate weight of steel angle**

Lesson 25 : **Estimation of Building Part 2 2021**

Lesson 26 :
Cost of Construction of One Column à¤à¤• à¤•à¥‰à¤²à¤® à¤¬à¤¨à¤¾à¤¨à¥‡ à¤®à¥‡à¤‚, à¤•à¤¿à¤¤à¤¨à¤¾ à¤–à¤°à¥à¤š à¤†à¤à¤à¤¾ à¤¹à¥ˆ 1 Pillar ka Kharch 2024

Lesson 27 : **Road earthwork quantity calculation**

Lesson 28 : **Thumb Rules for Civil Engineers Site Engineers Contractors 2024 Civil Engineering**

Lesson 29 :
Footing Volume Calculation Trapezoidal Column Footing Concrete Quantity Concrete Volume

Lesson 30 : **How to Calculate Cement Sand and Aggregate Quantity in Slab**

Lesson 31 :
Frame Structure Building Estimation and Costing Â¦Â¦ Cost of Construction of Small House

Lesson 32 : **Types of Estimate In Construction Types of Estimation 2024 Building Estimation 2024**

Lesson 33 :
House Construction Cost Calculator 2024 à¤˜à¤° à¤¬à¤¨à¤¾à¤¨à¥‡ à¤•à¤¾ à¤–à¤°à¥à¤š à¤•à¥‡ à¤¸à¤¾à¤¥ à¤¨à¤¿à¤•à¤²à¥‡ House construction Excel

Lesson 34 : **Bridge Pier and Pier Cap Concrete Volume Calculation**

Lesson 35 : **Material required for Plastering 100 sq ft wall**

Lesson 36 : **Road Earthwork Quantity Calculation**

Lesson 37 : **How to Calculate Cutting Length of Bent up Bar in Slab Crank Bar Bent up Bar Hindi**

Lesson 38 : **Estimation of slab**

Lesson 39 : **How to Read Bridge Reinforcement Details and Bar Bending Schedule**

Lesson 40 : **How Choose Proper Size of Water Tank for House**

Lesson 41 :
Building Estimation Estimation of Building Estimation and Costing House Estimation 2024

Lesson 42 : **How to Calculate Land Area How to Calculate Plot Area sq ft to sq m Area Calculation**

Lesson 43 : **Estimation of Beam Quantity**

Lesson 44 : **Difference Between One Way Slab and Two Way Slab One way and Two way slab in Hindi**

Lesson 45 : **Retaining Wall Concrete Quantity Calculation**

Lesson 46 : **Minimum thickness of slab Â¦Â¦ column size Â¦Â¦ Max Distance between two columns**

Lesson 47 : **Labour requirements for rate analysis CIVICONCEPTS**

Lesson 48 :
1 à¤°à¥‚à¤® à¤®à¥‡à¤‚ à¤•à¤¿à¤¤à¤¨à¥€ à¤Ÿà¤¾à¤‡à¤²à¥à¤¸ à¤²à¤—à¤¤à¥‡ à¤¹à¥ˆà¤‚ Floor Tile Calculation Skirting à¤•à¥ˆà¤¸à¥‡ à¤¨à¤¿à¤•à¤¾à¤²à¥‡ Tile cost for Room

Lesson 49 : **Road Earthwork Quantity**

Lesson 50 : **House Construction Cost per square feet**

Lesson 51 : **Paint Quantity Calculations for wall**

Lesson 52 :
à¤—à¥à¤¨à¤¿à¤¯à¤¾ à¤•à¥ˆà¤¸à¥‡ à¤¨à¤¿à¤•à¤¾à¤²à¥‡ How Measure Guniya à¤—à¥à¤¨à¤¿à¤¯à¤¾ à¤•à¥à¤¯à¤¾ à¤¹à¥ˆ Gunia Scale Triangle Calcualtion

Lesson 53 : **How to Calculate Depth of Foundation**

Lesson 54 :
Building Estimation Estimation of Building Center Line Method Estimation Hose Estimation

Lesson 55 : **Rate analysis Building Brickwork**

Lesson 56 :
Maximum Distance Between Two Columns Column to Column Distance Distance between two columns

Lesson 57 :
How To Calculate Volume Of Concrete In Staircase Staircase Concrete Volume Staircase Design

Lesson 58 :
Bar Bending Schedule BBS Slab BBS How To Make BBS In Excel Bar Bending Sechedule in Excel

Lesson 59 : **Maximum Distance Between Two Column Minimum Size of Column and Beam 2024**

Lesson 60 :
How to Convert Cubic Feet To Brass Brass To cubic Meter Calculate Volume Sand In Tractor Trolly

Lesson 61 : **Free Excel Courses With Certificate For Civil Engineers MS Excel Free Course**

Lesson 62 : **Cost of Construction per Square Feet 500 Sq Ft**

Lesson 63 : **Estimation Excel Sheet Centre Line Method**

Lesson 64 :
How To Calculate Bathroom Tiles Bathroom Wall Tiles Calculation Wall Tiles Calculation

Lesson 65 : **Important Definition in Estimation**

Lesson 66 : **Beam Estimation**

Lesson 67 : **Bar Bending schedule 2020**

Lesson 68 : **How to Repair Defects in Plastering Work**

Lesson 69 :
Brickwork Calculation Brick Masonry Calculation Numbers of Bricks Calculate Bricks Quantity

Lesson 70 : **Estimation of Stair Quantity**

Lesson 71 :
Estimation Building Estimation Ghar ka Estimate House Construction Material Estimate

Lesson 72 :
1000 sq ft House construction cost à¤˜à¤° à¤¬à¤¨à¤¾à¤¨à¥‡ à¤•à¤¾ à¤–à¤°à¥à¤š à¤•à¥‡à¤¸à¥‡ à¤¨à¤¿à¤•à¤¾à¤²à¥‡ 2024 Cost of Construction 2024

Lesson 73 : **slab steel calculation slab estimation RCC Slab slab quantity estimation**

Lesson 74 :
Why Steel Is Used In Concrete à¤•à¤‚à¤•à¥à¤°à¥€à¤Ÿ à¤®à¥‡à¤‚, à¤¸à¤°à¤¿à¤¯ à¤•à¤¾ à¤‰à¤ªà¤¯à¥‹à¤— à¤•à¥à¤¯à¥‹à¤‚, à¤•à¤¿à¤¯à¤¾ à¤œà¤¾à¤¤à¤¾ à¤¹à¥ˆ

Lesson 75 : **Bulding Estimation Estimation By Center Line Method Estimation House Estimation**

Lesson 76 : **How to find cement sand and aggregate quantity in concrete 2020**

Lesson 77 :
How to Calculate Cutting Length bent up bar in slab Â¦Â¦ Stirrups cutting length calculation

Lesson 78 : **Thumb rule for column Size 2020**

Lesson 79 : **How to Calculate Weight of Loaded in Truck**

Lesson 80 :
How To Calculate bricks for Wall Brick Calculation in Wall 9 in 4 5 in Brick Work Calculation

Lesson 81 : **Building Estimation**

Lesson 82 : **House Construction Cost per sq feet**

Lesson 83 :
Depth of Foundation Foundation Depth For House Depth of Footing House Foundation Depth

Lesson 84 : **No of Brick in Wall 2020**

Lesson 85 : **how to calculate steel quantity in slab**

Lesson 86 :
How to Calculate Weight of Steel Bars à¤Ÿà¥à¤°à¤• à¤®à¥‡à¤‚, à¤²à¥à¤¡ à¤¸à¤¿à¤¯à¤¾ à¤•à¤¾ à¤µà¤œà¤¨ à¤•à¥ˆà¤¸à¥‡ à¤¨à¤¿à¤•à¤¾à¤²à¥‡ Weight of Steel Bar

Lesson 87 :
How to calculate bricks in wall wall bricks calculation à¤¦à¥€à¤µà¤¾à¤° à¤®à¥‡à¤‚, à¤•à¤¿à¤¤à¤¨à¥€ à¤ˆà¤‚à¤Ÿà¥ à¤²à¤—à¥‡à¤—à¥€ bricks

Lesson 88 : **Plot Ka Area Kaise Nikale How to Calculate Plot Area Land Area Calculation**

Lesson 89 :
Billing Estimation Engineer Full Training Learn BBS BOQ Drawing Reading SOR Billing Work

Lesson 90 :
Marble flooring vs tile flooring à¤†à¤•à¥‡ à¤˜à¤° à¤•à¥‡ à¤²à¤¿à¤ à¤®à¤¾à¤°à¥à¤¬à¤² à¤˜à¤¿à¤¸à¤¾à¤ˆ à¤•à¥Œà¤¨ à¤¸à¤¾ à¤…à¤›à¤¾ à¤¹à¥ˆ

Lesson 91 : **Estimation New Concept**

Lesson 92 : **Costing of Slab Bar Bending schedule Cutting Length of Steel**

Related courses

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