

AMBE20 QUANTITY SURVEYING, CONTRACT & TENDERS

UNIT-1 ESTIMATING

- 1.1 Introduction, Definition,
- 1.2 Data Required for Preparation of an estimate,
- 1.3 Types of Estimates, Items of Work,
- 1.4 Description of an Item of Work,
- 1.5 Measurement of Works, Guidelines for Measurements,
- 1.6 I.S. mode or Units of Measurements,
- 1.7 Plinth Area, Floor Area, Carpet and F.S.I.

UNIT-2 APPROXIMATE ESTIMATES

- 2.1 Definition, Purpose of Necessity,
- 2.2 General Principle of Preparing Approximate Estimates,
- 2.3 Methods of Preparing Approximate Estimates

UNIT-3 TAKING OUT QUANTITIES

- 1.1 Definition, General procedure of measurement of works,
- 1.2 Methods of taking out Quantities, Comparison of English and P.W.D. method,
- 1.3 Various items of works, Prime Costs (P.C.) and Provisional Sums (P.S.),
- 1.4 Provisional Quantities, Spot Items, Contingencies, Work-charged Establishment,
- 1.5 Centage Charges, Building Estimate Methods,
- 1.6 Checks over the Accuracy of Detailed Estimates,
- 1.7 Relation between Cost of various Items with respect to Total Cost of Building,
- 1.8 Some typical estimates of Works, Schedule of Rates for Common Items of works in Building construction

UNIT-4 ANALYSIS OF RATES (OR PRICES)

- 4.1 Purpose of Analysis of Rates,
- 4.2 Factors Affecting Rate analysis, Task Work,
- 4.3 Table showing the Task Work, Table showing Materials Required for Different Items of Works,
- 4.4 Labour Requirements for different Items of Works,
- 4.5 Computations of Quantities of Materials required for Various Items of Works, Increase in Rates or Prices for Additional Floors,
- 4.6 Water Charges, Requirements of Cement bags for various items of works,
- 4.7 Approximate Rates of Materials of Construction,
- 4.8 Approximate Rates of Equipment/Machinery required for works,
- 4.9 Transportation of Materials and cost,
- 4.10 Rates specified for various categories of Laborers in Building Industry,
- 4.11 Analysis of Rates of Principles of Items of Work in the Building Construction

UNIT-5 SPECIFICATIONS

- 5.1 Definition of Specifications, Purpose of Specifications,
- 5.2 Types of Specifications,
- 5.3 Classification of Specifications According to Purpose,
- 5.4 Requirements of Good Specifications,
- 5.5 Detailed Specifications, Standard Specifications,
- 5.6 Detailed Specifications for Common Items of Building Work

UNIT-6 VALUATION OF PROPERTY

- 6.1 Cost Price and Value, Purpose (or Object) of Valuation,
- 6.2 Factors affecting Valuation of a Property,
- 6.3 Different Nomenclatures for the Value, Year Purchases (Y.P.),
- 6.4 Sinking Fund and Sinking Fund Installment, Valuation Tables,
- 6.5 Annuity, Ownership of the Property, Returns from the Property,
- 6.6 Depreciation and Methods of Computations of Depreciation,
- 6.7 Mortgage, Easement, Methods of Valuation Property, Fixation of Rent of a Property,
- 6.8 Reversionary Value of Land (or Land on Reversion),
- 6.9 Illustrative Problems, Valuation of a (Building) Property

UNIT-7 CONTRACTS AND TENDERS

- 7.1 Methods of Executing Works, Tenders, Contracts

Reference Books:

1. Quantity surveying, contracts and tenders by G.B. Deshpande (Author), j. P. Nayak (author)
2. Estimating and costing (17501) [print replica] by Mukesh N. Gangrade (author)

