

AR553 **BUILDING SPECIFICATIONS** (3-0-0)

Objectives:

This Course Is Intended To Impart Training In the Mode Of Detailed Clause by Clause Specifications As Complimentary To the Detail Drawings.

Module-1

Introduction-Definition-Importance-Scope Of The Subject; Specification Forming Part Of Building Contract, Drafting Specification, Correct Form Of writing, Avoiding Duplication ,Ambiguity And Conflicting Statements. Correct Order of Sequence, Specification Of Simple Building Materials i.e Brick, Stone, Lime, Cement and Wood etc.

Module-2

Detail specification of Excavation In Foundation, Plain Cement Concrete, Masonry in Brick and Stone (Rubble and ashlar), Reinforced Cement Concrete Work
Materials Quality and Standard, Various Mixes, Cutting Bending and Fixing Of M.S.bars.Centering Shuttering and Its Time Of Removal. Curing of Concrete, Flooring Paving and Tiling Indian Patent Stone. Terrazzo In -Situ, Flag Stone Flooring, Water proofing of Structure, Carpentry and Joinery
Roof Work in Timber, Paneled Door And Glazed Windows. Specification for Structural steel work, Materials, Quality and Setting Out. Cutting and Welding. Specification of First Class Building .Specification Of Second Class Building.

Module-3

Building Boards- Ply Wood Particle Boards, Block Boards, Acoustic Board. Flooring-Asphalt Rubber cork, Linoleum, Parquet, Etc.Glass- Various types Of Glass Used In buildings. Patent Glazing For Factories .Glass Brick Partitions Pavements Lights. Special Paints-Plastic Emulsion Paints, metal Paints, Cement Paints.
Standard Specification for Different Institutions Like P.W.D, M.E.S, C.P.W.D, BIS Etc.Abstract Of Quantities And Writing Of Schedules, Rate And Material Analysis. Bill of Quantities.