

ANNEXURE - II**COMMON SYLLABUS FOR QSE SELECTION (ALL TRADES)**

- I. INDUSTRIAL SAFETY**
Safety Rules to be followed in Workshops
Importance of house keeping
Fire Accidents – safety measures.
- II. ISO 9000**
Importance of quality – definition
ICF quality Policy (English & Tamil)
Achieving defect free components
Common practices adopted during assembly – SHELL/FUR ABOUT ICF
Plant Layout
Vital Components of coaches and Bogies
Different types of coaches
Activities of different Shops
Common Practices adopted during assembly – Shell/Fur
- III. BASIC MATHEMATICS**
Calculation of Area, Volume and Circumference of Simple Geometric shapes like Cube, Cuboids, Cylinder, Sphere & Cones Conversion of units (inches to mm, Celsius to Fahrenheit etc.)
- IV. BASIC TOOLS**
Common Workshop Tools pertaining to all trades & uses.
- MEASUREMENT & GAUGES**
Knowledge about tapes, Steel Rule & Vernier caliper
Knowledge about tapes and Bevels and Sine Bar.
- V. BASIC SCIENCE**
Mass, density, weight
Metals and properties of metals
Steel and its alloys
Calculating weight of a steel object
Reading of very simple drawings
Dimensioning & Views
Differentiate between sheet & Plate/Tube & Pipe.
- VI. Different type of production Documents used in ICF.**
- VII Official Language Policy**