

# Fundamentals of Indian Railway Rolling Stock Code

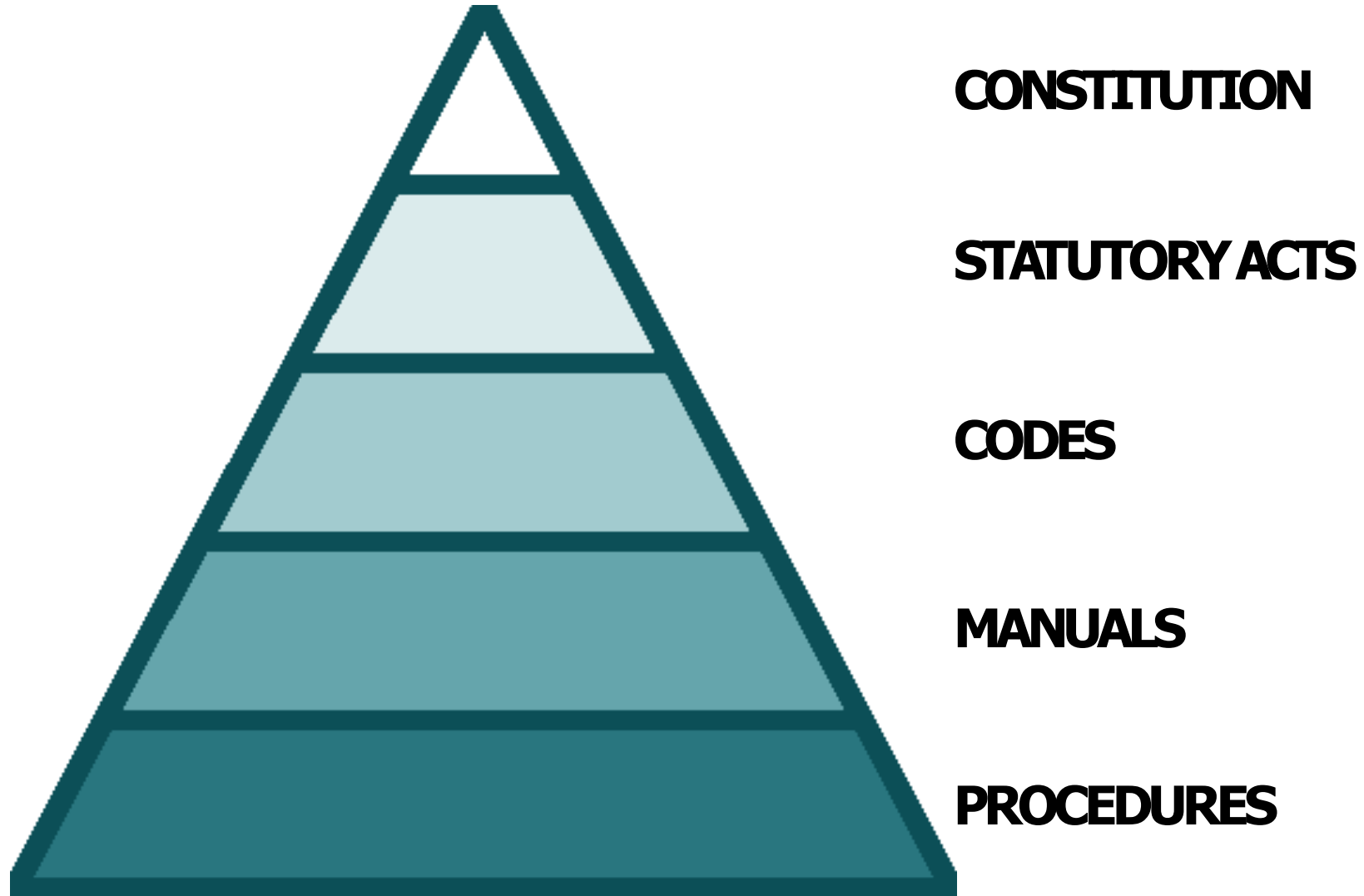
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# Definition of code

**As per Merriam-Webster Dictionary, *code* is**

**“A systematic statement of a body of law; one given statutory force”**

# Hierarchy of Law



- **INDIAN RAILWAY BOARD ACT, 1905**
- **INDIAN RAILWAY ACT, 1989**
- **INDIAN RAILWAY PROTECTION FORCE ACT, 1957**

# CODES

- **Indian Railways Finance Code Volume - I**
- **Indian Railways Finance Code Volume - II**
- **Indian Railways Establishment Code Volume- I**
- **Indian Railways Establishment Code Volume - II**
- **Indian Railways Code for Traffic (Commercial) Department**
- **Indian Railways Code for the Stores Department Vouolume – I**
- **Indian Railways Code for the Stores Department Volume – II**
- **Indian Railways Code for the Engineering Department**
- **Indian Railways Rolling Stock Code**
- **Railways service (Pension) Rules - 1993**

# Indian Railways Rolling Stock Code - I

***CHAPTER-I* Organization of Rolling Stock Production & Maintenance Department**

***CHAPTER-II* Production Units**

***CHAPTER-III* Employees' Duties and Responsibilities**

***CHAPTER-IV* Administration's Duties and Responsibilities to workers**

***CHAPTER-V* Materials Management in Railway Workshop**

***CHAPTER-VI* Costing in Workshops**

***CHAPTER-VII* Execution of works in Workshop/Pus**

***CHAPTER-VIII* Information Technology**

***CHAPTER-IX* Quality**

***CHAPTER-X* Investment Planning**

***CHAPTER-XI* Capacity Optimization and Product Development**

# CHAPTER -1: ORGANIZATION OF ROLLING STOCK DEPT

- **Corporate Objectives**
- **Mission Areas for Rolling Stock Production & Maintenance**
- **Rolling Stock Maintenance Organization in Zonal Railways:-107**
- **Zonal Railway workshops: Chief Workshop Manager (CWM), and his team**
- **Planning and Production Control, ERP manager**
- **Duties of Supervisors**
- **Classification of staff in Workshops**
- **Open Line divisions: Customer orientation**
- **Important Codes and Manuals of Indian Railways**

# CHAPTER-2: PRODUCTION UNITS OF IR

- **General Organization**
- **Costing in Pus of Indian Railways**
- **Process Costing System:** Assigns unit cost to a process
- **Batch Costing System:** Assigns a work order no. to a batch and costed
- **Overheads:** Factory, Administrative, Township & Stores Overhead
- **Development Suspense:** Sale Price – Actual Cost
- **Transfer Price**
- **Guidelines for Rolling stock manufacture by repair workshop**



# CHAPTER-3: EMPLOYEES' DUTIES & RESPONSIBILITY

- **Hours of Work**
- **“Gate Attendance System” & its Modernization**
- **Disaster Management**
  - Accident Relief & Medical Equipment Train
  - Accident Relief Trains
  - Breakdown staff
  - Accident checklist
  - Reprovisioning in ART/ARME

# CHAPTER-4: ADMINISTRATION'S DUTY TO WORKERS

- **Chittaranjan Scheme**
- **Group Incentive scheme**
- **Training of new comers & Multi-skilling**
- **Comparison between Chittaranjan and Group Incentive Scheme**
- **Administration responsibilities on industrial safety**
- **Administration responsibilities on Environment Management**

# CHAPTER-5: MATERIALS MGT IN RLY WORKSHOPS

- **Sources of material for shops and maintenance depots**
- **Demands for materials to match with budget**
- **Inventory Management:** Stock and Non-Stock items
- **Raw material norms**
- **Sub Stores**
- **Issue Notes: Pairing & Adjustment**
- **Stores Charges**

# CHAPTER-6: COSTING IN WORKSHOPS

- **Costing in Workshops of Indian Railways**
- **Job Costing System**
- **Issue of Production Documents**
- **Route Card**
- **Work order System in Workshops**
- **Costing of POH of Rolling Stock**

# CHAPTER-7: EXECUTION OF WORKS

- **Estimates**
- **Estimates for Rolling Stock additions & workshop M&P Items for Workshops & Sheds**
  - **Estimates for Renewals and Replacements**
  - **Estimates of work for outside agencies**
  - **Charges for preparation of estimates**
  - **Interest Charges**
  - **Verification of Estimates**
  - **Sanction to Estimates-**
- **POH of Rolling Stock hired to/owned by defence deptt., outside parties & Government Departments**
- **Work shop Manufacture Suspense Account**
- **Productivity Review**

# CHAPTER-8: INFORMATION TECHNOLOGY

- **Enterprise Resource Planning (ERP)**
- **ERP Infrastructure**
- **System Security**
- **Implementation of ERP in IR**
- **ERP Implementation Step by Step Process- Ann. 8.2**

# CHAPTER-9: QUALITY

- **Quality & Process**
- **Quality Management Techniques**
- **Quality Standards**
  - **Defects**
- **Certification of Laboratories**
- **Quality enforcement of outsourced work**
- **Product Inspection**
- **Inspection Vs Process Control**
- **Quality enforcement through warranty**

# CHAPTER-10: INVESTMENT PLANNING

- **Goals for investments**
- **Advance Planning for Rolling stock**
- **Codal Life and Condemnation**
- **Scope of the Rolling Stock Programme (RSP)**
- **Machinery and Plant (M&P) Program**
- **Maintenance of civil infrastructure in sheds and workshops**
- **Rolling stock Programme- New Acquisitions**



# CHAPTER-11: CAPA OPTIMIZ<sup>N</sup> & PRODUCT DEV.

- **Multi skilling tasking and Inter-shop transfers**
- **Outsourcing**
- **ERP-based Production Management**
- **RDSO's role in vendor approval and product inspections**
- **Innovation & Strategies**
- **Profitability**
- **Annual Maintenance Contracts for M&P**

# GENERAL DISCUSSION

*THANK YOU*