



**MACHINERY AND PLANT &  
ROLLING STOCK PROGRAMME  
(M&P and RSP).**

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## Terms related with different Progammmes

- ❑ RSF - Railway Safety Fund.
- ❑ SRSF - Special Railway Safety Fund
- ❑ RRSK - Rastriya Railway Suraksha Kosh
- ❑ OLWR- Open Line Works Revenue
- ❑ DF - Development Fund
- ❑ DRF - Depreciation Reserve Fund
- ❑ ROR - Rate Of Return
- ❑ COFMOW- Central Organisation For Modernisation Of Workshops.



## Terms related with different Programmes

- ❑ PCME -Principal Chief Mechanical Engineer
- ❑ PCEE- Principal Chief Electrical Engineer PCSTE-  
Principal Chief Signal and Telecom Engineer
- ❑ PCMD - Principal Chief Medical Director
- ❑ PCMM - Principal Chief Material Manager
- ❑ PFA - Principal Financial Adviser
- ❑ PCCE - Principal Chief Civil Engineer



## What is Planning?

- An activity with an affirmative & integrated approach with high level of conceptual & visionary thinking.
- Creates & develops infrastructure, Machinery & Plant & Human Resources.
- An affirmative action which enables Workshops & Sheds to perform efficiently in a world of changing markets & technology.



## What is Codal Life ?

- Codal Life of a particular type of stock denotes an average economic life.
- Beyond that economic life stock/item to be removed or replaced to avoid accident.
- The service may not be economic beyond that average life.

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## What is Codal Life ?

- Codal Life for different kinds of rolling-stock is given in the Accounts code and as advised by Railway Board time to time.
- The Codal Life indicated therein is only for general guidance to make broad assessments for planning replacements

## Level Of Planning In IR

- Corporate Planning in the Board- (a) Need for additional capacity in Workshops, Production Units (PUs), Running Sheds or Depots for altogether new units.
- (b) Advises concerned Railways for initiating proposals.

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## Level Of Planning In IR

- Zonal Planning- At the Zonal HQ for meeting the requirements of the Zone.
- At Unit Level in Division – Initiated at Unit level either to replace the assets, improve quality parameters of their activity such as reducing cycle time or for improving reliability/working environments etc.





## Goals For Investment/Planning

- Agility- To develop capacity to deal with fluctuating production volumes &/or a Board Product Matrix.
- To improve customer focus.
- For Environmental responsibility.
- For new technology adoption.
- For the improvement of quality & train safety.

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## Goals For Investment/Planning

- Better Rolling Stock Maintenance
- Replacement of old assets.
- To improve quality parameters of assets activities to reduce cycle time & to improve reliability.
- To improve working conditions & work place safety.
- For time saving.



## Plan Heads (PH) Under Demand No.-16

- Different PH for creation, acquisition & replacement of Assets /Infrastructure in the Workshops & Sheds are
- PH 21- For Rolling Stock
- PH 41- For Machinery And Plants (M&P)
- PH 42- For Workshop & Production Units(PUs).



## Nomenclature of M&P and T&P

- a machine that remains stationary and immovable (Job comes to machine and not vice versa) and is processed through Machinery and Plant (M & P) Programme.
- vehicles such as Staff cars, Lorries, Diesel Utility Vehicles, Road Mobile Cranes, Front End Loader/JCB Cranes and fork lift trucks are also termed as M&P items.

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## Nomenclature of M&P and T&P

- Tools are equipments which are movable (Tools are fitted in /on the machine and not vice versa) and processed through T&P.
- All movable machines (except those mentioned in the previous slide) like pneumatic drills, power saws, tools and plants(such as jigs and fixtures)

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## Nomenclature of M&P and T&P

- Small tools and equipments required for the maintenance of machines.
- All measuring instruments / Gauges (irrespective of their unit cost) and
- For the upkeep of the office such as furniture, computers, printers etc.

## Brief Process of M&P

- All proposals over 2.5 lakhs through M&P.
- Items costing less than 2.5 lakhs to be met from revenue.
- JAG-10lakh. DRM/CWM-20Lakhs
- PCME/GM approval required
- GM 20-50 lakhs
- RB- above 50 lakhs.
- Items over 1 crore – prior approval of Railway Board.
- Proposal to submitted HQ before Aug.

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## Brief Process of M&P

- Upto 50 lakh for same current year
- Above 50 lakhs for next financial year.
- All fund at HQ.
- Prepared for ensuing year in current year.
- Requirements of all Executive Departments.



## Brief Process of M&P

- Creation of new assets
- M&P proposal can be initiated under DRF,CAPITAL,DF allocation
- Proposal on capital account should be supported with financial justification and ROR Para (201 &202 of chapter II Financial code vol-I)



## Brief Process of M&P

- Proposal with abstract cost of the M&P, allocation, and justification.
- Proforma X if chargeable to capital.
- Proforma Y if on replacement account.
- Administrative approval of PHODs and Finance concurrence.
- Associate finance vetting.



## Brief Process of M&P

- Proposal is checked with reference to justification.
- Ceiling limit.
- Concurrence by FA&CAO.
- Consolidation by PCME.
- Approval of GM
- Sent to Railway Board.
- Procurement activity to be done by COFMOW.



## Brief Process of M&P

- Provision of funds for sanction items likely to be procured in current year is made by budgetary reviews.
- Budget estimates for ensuing year.
- Indents are prepared and vetted by associate finance.



## Important guide lines

- Other areas to be considered
- Material handling facilities like mechanized handling
  - Cleaning equipments should indicates saving and Man power.
  - Maintain highest safety standards
- Over Aged items
  - Master plan of sub shops.
  - Through forward of old sanctions.

## M&P

- Sanction of items by GM on out of turn basis upto Rs. 50 lakhs will lapse after 2 years.
- Separate account under GM's power will be maintained for every financial year.
- Total proposals for M&P should not exceed ceiling by more than 10%.
- Proposals on additional account may be limited to 20% of the total ceiling limit.
- Estimated cost of the machines should include cost of essential accessories.

## M&P

- Ceiling limit above 50 lakhs
- Compendium issued by COFMOW.
- Indicates number, type and capacity of the machine.
- M&P estimates should have provision for charges such as freight, insurance, installation and commissioning.
- Prior approval required cost above one core.



## M&P

- After sanction repulsion to be submitted through portal.
- AT (Acceptance of Tender) issued from COFMOW
- Some formality type wise.
- Before supply GAD (General Arrangement Drawing) approved





## ROLLING STOCK

- Ministry of Rlys. are conveners of working group on –
  - A. Freight traffic projection.
  - B. Passenger Traffic projections.
- To fix traffic targets.
- To determine requirement of rolling stock for wagons, carriages and locomotives.



## ROLLING STOCK

- Provision for new rolling stock is made atleast 3 years in advance in case of Locos.
- 2 years in case of wagons, carriages.
- Provision on replacement account by projecting likely condemnation in the period for which plan is made.



## Rolling Stock.

- COM prepares the programme showing addition/renewal of Locos/carriage & wagons for second succeeding financial year.
- Submits to CME.



## Rolling stock

- Reduction in rolling stock.
- Authorized stock.
- Estimated value of released materials.
- Additions to Rolling stock.
- Renewals to Rolling stocks.
- Justifications for additional locomotives.



## Rolling stock

- Itemized rolling stock programme.
- Caters to complete rolling stock.
- Caters to major modifications.
- Detailed justifications for every new acquisitions.
- Submitted to Minister for approval.



## Rolling stock

- Itemized Rolling stock programme in two parts.
- Programmed deliveries.
- New acquisitions.
- Prepared to 15 to 18 months for the target year.

## Rolling stock

- Following statements should accompany the RSP.
  - Stock statements.
  - Renewal statements.
  - Replaced stock statement.
  - Age statement of stock.
  - Programme statement.



## Rolling stock Programme

- RSP is submitted in two stages
  - Preliminary
  - Final
- Submitted to RB by 15<sup>th</sup> January each year with reasons, justification of each item
- RB decides items after discussion with GM
- Final lists prepare by board
- Individual railway have to submit final RSP



## Estimate of requirement RSP

- No of available on line during previous yr= $A$
- Adl. reqd due to increase in traffic= $B$
- Reduction due to change in traffic pattern= $C$
- Total traffic reqd= $A+B-C$
- Nos of cond (overage) in the previous yr= $E$
- Condemned due to accidental damaged= $F$
- Likely available on line at the beginning yr= $A-E-F$
- Provision of requirement in the RSP= $B-C+E+F$



## Works programme

- Homing of locos, BD crane
- ROH depot
- Coaching complex
- Yard re-modeling
- Facilities of freight examination yard
- Facilities for platform
- Extension proposal of any above



## Works Programme

- It is submitted RB 18 months advance
- It is submitted two stages
- Preliminary WVP
- Final WVP
- Work progress new works are shown separately
- Preliminary is initiated at divisional/HQ in the month of JUNE/JULY
- RB submitted September each year
- RB discuss with GM & finalised lists
- Final WVP prepared by each railway.



## Works Programme

- PH-
- DRM- 1 core
- GM-2.5 cores
- RB-above 2.5 cores



## Works Programme

- Demand No-16
- Chargeable to capital
- DRF-depreciation reserve fund
- DF-development fund
- OLWR-Open Line Works Revenue
- RSF-railway safety fund
- SRSF-special railway safety fund



## Relevant Plan Heads

- Demand no-16
- Rolling stock Programme-PH-21
- Machinery and plant PH-41
- Works programme including M&P-42



## Spl Funds

- RRSK-Rashtriya Rail Sanrakha Kosh
- Started 28 th March' 18
- Time bond fund for safety related
- limit as per SOP
- PH-53 passenger amenities
- DRM-2.5 cores



**Thank you**