



CAO's Address

Higher utilization of rolling stock in last two years has also led to increased fund allocation for workshop modernization and procurement of machinery and plant. This has increased COFMOW's responsibility multifold as the sanction under Plan Head 41 has been enhanced from earlier level of Rs 252 Crores (2005-06) to Rs 434 crores in 2006-07 and Rs 752 crores in 2007-08. COFMOW used to procure machines worth Rs 150 Crores to Rs 200 Crores yearly and this new enhanced level of sanction has given a new challenge to COFMOW. Similarly works of modernization of workshops were sanctioned for Rs 554 Crores in 2007-08 and Rs 280 Crores in 2008-09.

Modernization of workshops should also improve rolling stock maintenance with increased machine utilization and higher productivity. It has been COFMOW endeavor to give quality machines to users. Similarly COFMOW intends to be a partner in workshop modernization. To upgrade the knowledge of latest machine tools available, an international seminar is being organised by COFMOW, chapter of IRSE in the last week of March-08.

Railways are requested to assist COFMOW in achieving these corporate objectives.

WHEEL IMPACT LOAD DETECTOR

Wheel Impact Load Detector System (WILD) is a wheel load sensing system. It features latest technology using strain gauges, as sensors which records dynamic impact load of wheel and average loading of each vehicle on rails, with wheel and vehicle identification. If ratio between maximum impact load and average wheel load is four or more, a alarm will come at centralised control for taking necessary action by next station staff. COFMOW has placed order for 9 nos. out of which four systems are installed at Adityapur, Hubli, Bhilai and Arakonam.

... from Cofmow

Introduction of Automatic Painting Systems

State-of-the-art automatic painting system for painting of coaches has been commissioned at ICF/ Chennai at an approximate cost of Rs. 12 Crores. All types of primer, surfacer and finish painting on coaches can be done in these paint booths. For quick drying, baking ovens have also been installed. Application of one coat of paint takes one hour. Presently, ICF is painting 5 coaches per day (in 2 shifts). This paint booth is superior to existing paint booths in Railways in following aspects :

- High DFT (Dry Film Thickness) can be achieved for the same amount of paint used by better air supply management
- Wastage of paint is reduced by better air flow management
- Digital control of paint equipment to improve efficiency of paint Spray

New Developments

- Specification for Governor Test Stand has been revised from manual to computerized system. The Governor test stand monitors, measures and records the critical parameters of the Governor system during maintenance. The various parameters will be sensed by means of high precision transducers and results can be analyzed and stored for future reference.
- Technical Specification for Rail cum Road Vehicle with rugged and reliable transfer mechanism for shifting from Rail to Road or vice versa has been developed with sitting capacity for 12 persons. The vehicle will have crane unit with lifting capacity of 12.5T – 14.7T. The vehicle will have a storage capacity for hydraulic re-railing equipment, hydraulic rescue device, water mist fire fighting equipment and other accessories/items used by ART staff during salvaging operation and vehicle will be capable of shunting of re-railed stock for the purpose of clearing the block section.
- Specification for Testing and Repair of PCB cards of Vehicle Control Unit (VCU) for WAG9 locos has been developed.

Use of Stainless Steel for Railway Coaches & Wagons

Cofmow organized a seminar on " Use of Stainless Steel for Railway Coaches & Wagons" at its conference Hall on 23rd July 2007. The seminar was attended by Senior Railway Officers from Railway Board , Zonal Railways , RDSO , Lucknow and COFMOW. The inaugural address was given by Sh. R. K. Rao, Member Mechanical, Railway Board.

Issues discussed were

- Selection of stainless steel for use on Railway Rolling Stock
- Welding on stainless steel.

Visit to IMEX-2007

COFMOW officers visited the International Machine Exhibition (IMEX) held at Chennai from 6th to 9th December 2007. Following products were identified by the team which can be useful in Rlys:

1. Portable Measuring systems – Laser Tracker
2. Balancers for Material Handling – a) Cable Balancer b) Flexi Arm Cable Balancer c) Air Manipulator Arm d) Flexi Arm Electrical Chain Hoist.
3. Heavy Duty Transport Trolleys
4. Vision Inspection Systems.

Snippets –

Total machines ordered by COFMOW since its inception	- 15029
Total value of machines ordered	- Rs. 3461.43 Crores
The Tender Invitation (2007-2008) Nos./Value	- 161/Rs. 714 Crores
Debits raised during the current year	- Rs.93.85 Crores
(All figures till Jan' 2008)	

Warm Welcome – S/Sh. R.K. Upadhyay, our new CAO, R. S. Viridi, CME, Smt. Manju Gupta, CEE, Ram Saran, CME(P), A. K. Gupta, CME/PCM, Fuad Mahmood FA&CAO-II, Ram Lal COS-II, M.K.Garg Dy.CME-II, Rajiv Mahajan, Dy.CME-III, Onkar Singh, Dy.CME-IV, Subhashisha Nath, Dy.FA&CAO, Dheeraj Jain, Dy.CMM-I, on joining COFMOW during the current financial year.

Au Revoir- S/Shri D. R. Gupta CME retired on 31st August 2007, O.P. Agarwal, CAO retired on 30th Sept.'07, G.S.Suri CME(P),retired on 30th Sept.'07, R.P. Singh, CEE/COFMOW, Rajender Singh COS-II, Saket Bahugana, Dy.CME-III, P.K. Sinha Dy.FA&CAO, N. K. Sharma Dy.CMM-I transferred.

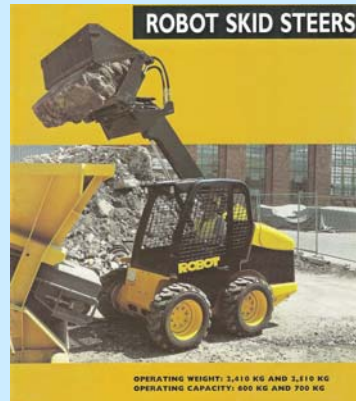
ROBOTIC SPOT WELDING MACHINE



800-T PRESS BRAKE CNC



EXTERIOR VIEW OF PAINT BOOTH



COFMOW Newsletter



*A torch bearer for
improving
infrastructure for
manufacture and
maintenance of IR
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