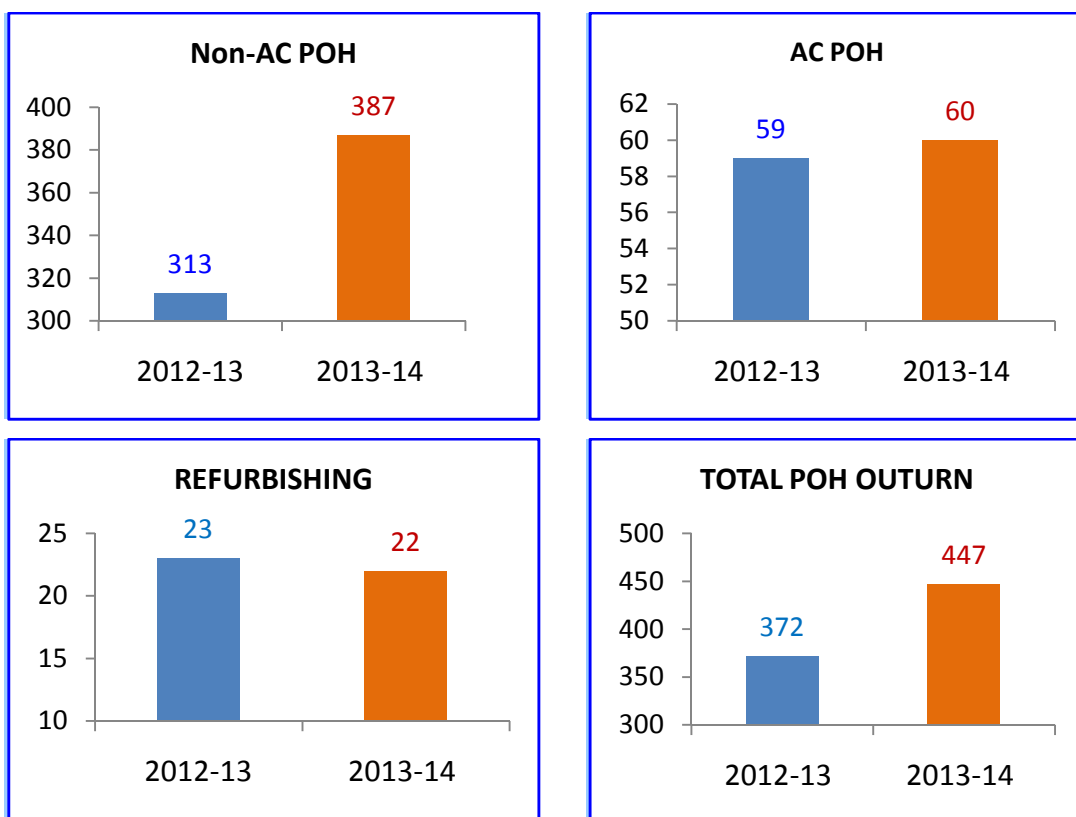


Productivity

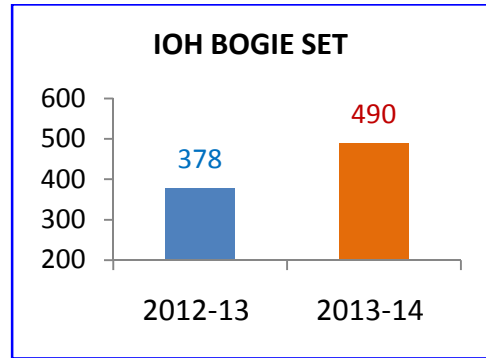
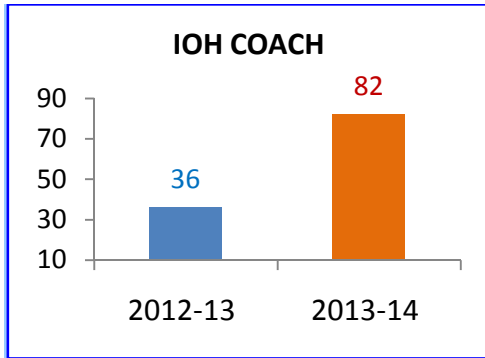
Mancheswar workshop has rewritten its history by achieving new milestones of productivity, efficiency and outturn.

COACH OUTTURN:

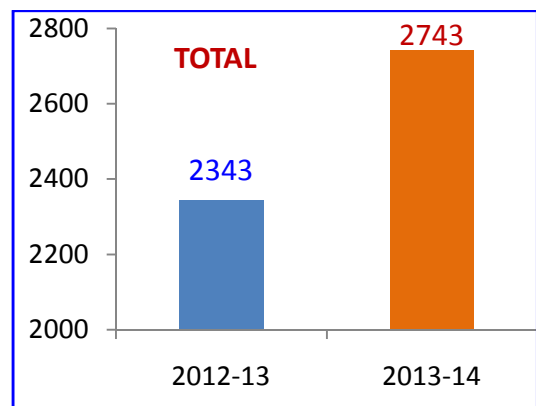
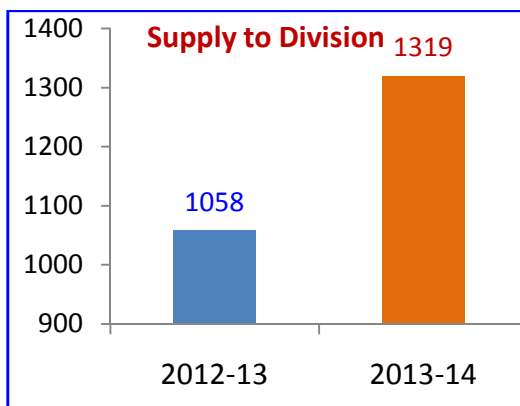
Highest ever physical outturn of 145 coaches was achieved in July'13. There is an increase of above 20% in total POH Coach Outturn and 23.6% in NAC POH Coach Outturn.



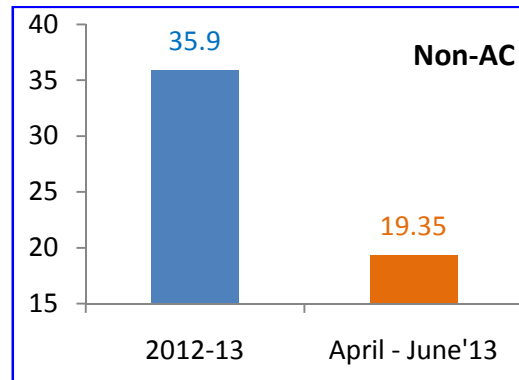
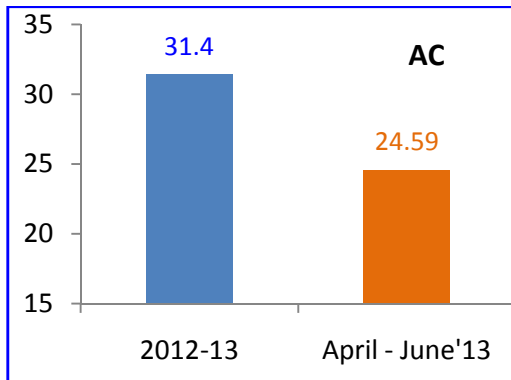
IOH COACH & BOGIE OUTTURN: IOH outturn in the current year has been phenomenal and there is an increase of above 127% in IOH Coach outturn and 29% in IOH Bogie supplied to the divisions from the workshop.



WHEEL PRODUCTION: Wheel shop has successfully risen to the challenge and created a new record of crossing 1000 wheels per month benchmark by achieving highest ever outturn of 1001 wheels during July' 13.



POH CYCLE TIME:



IOH OF LHB COACHES: 1ST LHB coach ECo 07149 was turned out on 29/05/13 after D4 schedule. Next Coach ECo 08920 is taken up and would be turned out in Aug' 13.



AC DINNING CAR: A Condemned ACCZ coach converted to AC Dinning Car. Now East Coast Railway has its own dining car.



ISO 9001:2008 QMS CERTIFICATION: The workshop has been certified with upgraded version of Quality Management System ISO 9001:2008 in Aug'13.

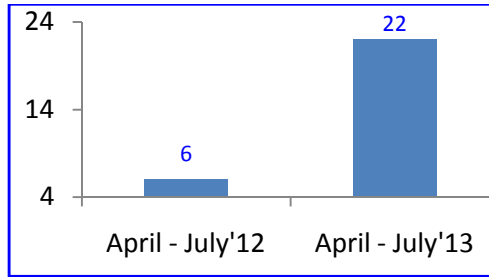


PROVISION OF DETACHABLE SS MESH IN KITCHEN OF PANTRY CAR:

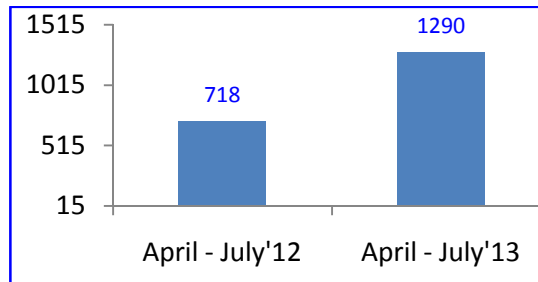
CAR: 5 Nos. pantry cars has been provided with stainless steel mesh in the partition wall to enable cleaning in depot during scheduled maintenance. Mancheswar workshop is the first workshop to provide detachable mesh.



COMPLETE REFURBISHMENT OF TOILET: this work is being undertaken against RSP sanction. The complete lavatory and water supply arrangement including the amenity items are renewed. 22 coach toilet refurbishment was carried out till July'13 against 29 coach toilets refurbishment in 2012-13.

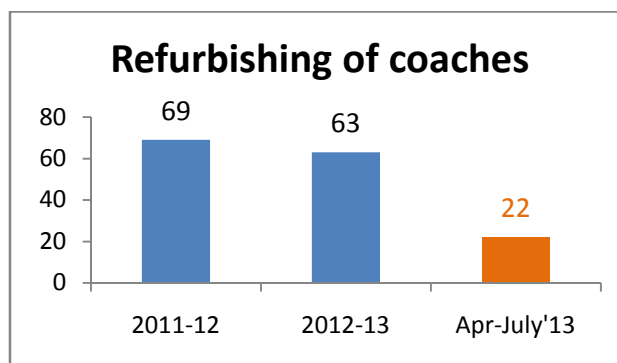


SHOT BLASTING OF BOGIES: The workshop has started shot/grit blasting of bogies to remove old painted surface and scales, dirt etc from the metal surface. This help in checking the hairline cracks and condition of bogie frame. A total of 2848 bogies in 2012-13 and 1290 bogies till July'13 were subjected to shot/grit blasting.



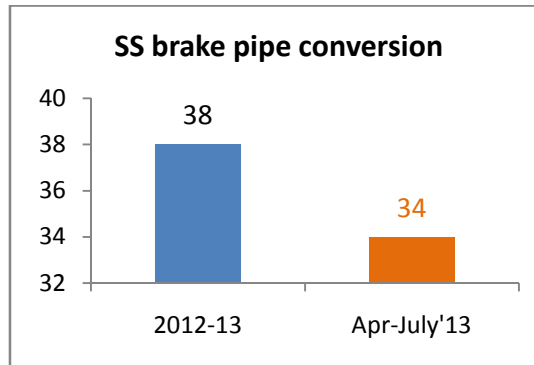
REFURBISHING OF COACHES: Due to constraint of capacity to undertake midlife rehabilitation of coaches in Bhopal workshop, Railway Board had decided to undertake complete refurbishment of such coaches in other workshops. This includes 'A' schedule painting, extensive corrosion repair, complete replacement of PVC flooring, Laminated Plastic sheet panels of interior, Seat covering (rexin), (iv) and fitment of amenity items viz.. water tanks, mobile charger, emergency light etc.

A total of 69 coaches have been refurbished during 2011-12 and 63 coaches have been refurbished in 2012-13 and 22 coaches refurbished till July'13. This has brought in quantum improvement in the condition of these coaches.



PROVISION OF SUNK-IN TYPE CFL FITTINGS INSIDE LUGGAGE VAN: Sunk-in type CFL fittings are being provided in all SLR during POH to avoid any chance of short circuit due to damage to electrical fittings during loading/ unloading of luggage. Total 117 no's till July'13 have been provided with above modification.

STAINLESS STEEL PIPE FITMENT IN AIR BRAKE SYATEM: 34 coaches were fitted with stainless steel pipe till July'13 against RSP sanction. This shall reduce damage to the air brake pipe due to corrosion and would improve reliability



EXTENSION OF MMIS MODULE: Previously MMIS terminals were available only with Stores and Accounts Department, now MMIS terminals has been extended to Mechanical & Electrical Department to enable effective material management.

BIOMETRIC BASED ATTENDENCE SYSTEM: Biometric devices have been installed for fingerprint based attendance system in the administrative building of Mancheswar Workshop. This system would be commissioned in Aug'13.

PROVISION OF MODIFIED BATTERY BOX: All AC coaches are now provided with 1100 Amp- Hr Battery Boxes during POH at workshop. A total 100 Nos. coaches were provided with 1100 Amp- Hr Battery Boxes till July'13. This has improved performance of AC coaches.

PROVISION OF EMERGENCY LIGHT IN COACHES: AC & NAC coaches with emergency light to illuminate coaches at time of emergency are provided against RSP sanction. A total of 784 no's AC & GSCN coaches have been provided with emergency lights. Work is under progress.

PROVISION OF MOBILE CHARGING POINT IN PANTRY CAR CABINS: All 45 pantry cars are provided with mobile charging socket & 110 AC operated exhaust fan.