

Highlights of Mechanical C&W Department, Vijayawada Division

- All ongoing contracts have been reviewed critically towards expenditure control by optimizing the manpower and by clubbing various contracts. With this exercise, a saving of Rs. 1.76 crores can be achieved annually from 21-22 onwards.
- Automatic Coach Washing Plant has been installed and commissioned on 17.12.2020 at Kakinada, which was sanctioned under Environment funds. 17,739 Kilo Litres of fresh water consumption will be saved in one year.
- Development and commissioning of air brake working model of LHB coach at Wagon Depot/BZA has been done departmentally. This is very helpful in training C&W staff and Crew/Station Staff for speedy trouble shooting in en-route troubles in LHB coaches and also for testing of various air brake components in LHB coaches.
- All efforts are being taken to keep en-route Coach detachments to the barest minimum. Broken bolster springs in ICF coaches are being replaced in situ at all C&W points of BZA division BZA, RJY, BTTR, OGL and GDR. **(2019-20: 37 coaches, 2020-21: 02 coaches).**
- Availability of critical spares like full length bypass pipe, flexible hose pipes for air springs, lower control arm, dummy plugs and its fastening at en-route C&W stations, is ensured. By placing the above materials with proper training to staff, detention & detachments of coaching trains are being avoided. Speed of 6 passing-through trains have been enhanced from 60 KM/Hr to 110 KM/Hr in the division by provision of Dummy plugs in LHB coaches in FIBA pipe line.
- All coaches have been fitted with Bio-Toilets and converted from 'P' trap to 'S' trap which improves the hygienic condition of Toilets in Coaches and Track/Platform premises.
- Mechanized Coach Cleaning contracts are awarded in all Coaching Depots through outsourcing. By this activity, all coaches are being cleaned intensively and buffing of stainless steel items are attended resulting in better cleanliness in Coaches.
- Computerized Single Car Test Rig for coaches and wagons was commissioned at Coaching Depots at BZA, COA and Wagon Depot/BZA. This has improved the air brake testing of coaches and wagons, enhancing reliability.

- 30 CC rakes with BOXNHL wagons have been formed in the division and are named as Amarawati. 09 CC rakes have been formed by converting PR/End to end rakes to CC fit by giving intense repairs in 522 wagons. This is being done so that the empty rakes can be run at 100 KMPH. All BOXN/BOXNHL wagons were segregated and separate rakes were formed with each stock exclusively.
- **570 wagons** were converted from single pipe to twin pipe till Jan-21 and the work is under progress at Wagon Depot/BZA. This work is being done through the Rolling Stock programme. Target for BZA Division is 2400 wagons. This will help in faster release in brakes in wagons.
- **614.4 Metric Tonnes** of MS Scrap has been disposed upto Jan-21 which is **40% higher** than the proportionate target of 437.5 MTs. This will earn money to Railways as well as the depot premises will look cleaner.
- Retro-fitment of BCNHL doors was commenced on 12.12.2020 under Rolling Stock programme at Wagon Depot/BZA. Third generation doors of BCNHL wagons are being retrofitted with two part sliding doors to improve the safety of wagons. Outsourcing work was awarded for retro-fitment of 450 BCNHL doors and 53 BCNHL wagon doors have been retro-fitted upto Jan -21.
- 1% increase in ROH attention of wagons at wagon depot/BZA has been done in this year as compared to target. (Proportionate Target – 2750 wagons , Actual ROH attention – 2798 wagons)
- As instructed by Railway Board, all Break Down Units i.e., ART/RJY, BTTR, MRV/BZA, RJY, BTTR, SPART/BZA & 140-Ton Crane/BZA have been installed with GPS system and have been integrated with Rail Netra, the common Platform for live monitoring of their locations.
- 40527 Brake vans of Freight trains have been sanitized with sodium hypochlorite spray at different freight examination yards over BZA division. This has improved the confidence of guards by improving the sanitization levels of the brake vans. This activity is being continued on a daily basis.
- 31675 Masks were stitched departmentally at COA & BZA Depots with N-95 fabric for distribution to C&W Staff which is the highest in the Zone. 1100 Nos of masks have been given to other departments and 1000 masks to GTL Division. 20650 masks have been consumed in-house and 11025 are balance on hand.