

CARRIAGE REPAIR WORKSHOP MANCHESWAR

(ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 certified organisation)

Most productive workshop on Indian railways

Carriage Repair Workshop, Mancheswar (CRW/MCS), a young and dynamic establishment under East Coast Railway and most productive workshop in manpower productivity ratio on Indian Railways, discharges the key responsibility of periodic overhauling of all Mail/Express/Passenger & departmental coaches of East Coast Railway. Establishment of the workshop has helped East Coast Railway to achieve self-sufficiency in maintenance of passenger carrying and other coaching vehicles.

Manpower productivity ratio comparison:

Manpower Productivity Ratio				
Rly.	Workshop	Actual Outturn 2013-14	On-roll in 2013-14	Manpower Productivity Ratio (Manpower/POH outturn)
CR	MTN	2145	6319	2.95
	PR	144	3861	26.81
ECoR	MCS	1328	1798	1.35
ER	KPA	473	10474	22.14
	LLH	2623	9931	3.79
NER	GKP	1896	5746	3.03
	IZN	244	2079	8.52
NFR	DBWS	722	1672	2.32
	NBQS	705	2846	4.04
NR	AMV	1440	5382	3.74
	JUDW	1492	6416	4.30
NWR	AIC	1373	3586	2.61
	JU	888	2173	2.45
SCR	LGD	1284	3506	2.73
	TPYS	973	1642	1.69
SER	KGP	1648	10211	6.20
SR	GOC	973	5246	5.39
	PERC	2071	5596	2.70
SWR	MYSS	811	2170	2.68
	UBLS	1015	3137	3.09
WCR	BPL	592	2339	3.95
	PL	1523	3549	2.33

Construction of CRW/MCS was sanctioned by Railway Board in Works Programme 1977-78. Prof. Madhu Dandavate, the then Hon'ble Minister of Railways, laid the foundation stone on 26.05.1978. The Workshop was commissioned with the beginning of corrosion repairs on 12.11.81, in presence of Shri K. N. Pandey, the then Hon'ble Minister of Railways. The first off POH coach was turned out from the shop on 31.12.1983 in presence of Shri C. K. Jaffer Sharief, the then Hon'ble Minister of State for Railways.



Aerial view of workshop



A view of administration building

The workshop has implemented Integrated Management System for Quality, Environment, Occupational Health and safety. ISO 9001:2008 QMS Certification was awarded in Aug'2013 while ISO 14001:2004 EMS and OHSAS 18001:2007 was awarded in March'2014.

INFRASTRUCTURE

Land:

▪ Total area	=	314 Acres
▪ Workshop area	=	121 Acres
▪ Colony/Service Buildings	=	193 Acres
▪ Covered area in the workshop	=	52828 Sq. Mts.
▪ Permanent way inside the workshop	=	14 Kms.

Power Supply:

▪ Receiving voltage	=	33 KV.
▪ Connected Load	=	6225 KW.
▪ Contract Demand	=	900 KVA.
▪ Standby Diesel Generator Set.	=	500 KVA.

**Out of 121 Acres of workshop area, a portion of about 9 Acre has been utilised for setting up of General Stores Depot and Scrap Yard.*

Ñ **Electronic gate attendance system:** Mancheswar workshop is among first few workshops to have electronic gate attendance system. This has made the task of recording attendance of staff reliable and efficient. Staff employed for manual recording of attendance were released for carrying out productive work.

Ñ **Water Supply:** The workshop has 3 ground water pumping stations to supply water to workshop and colony.

Ñ **Telecom facility** of the workshop is maintained by SSE/Tele who is under Head Quarters control.

Ñ CRW/MCS has a self-contained residential colony with 708 quarters. Mancheswar colony also has Kendriya Vidyalaya, Oriya Medium Primary, Upper Primary and High Schools, Railway Institute and Officers' Club to cater to the educational and entertainment requirement.

Ñ **The Scouts & Guides** and the East Coast Railway Sports Association have active units at Mancheswar.

Ñ **East Coast Railway Women's Welfare Organisation Mancheswar** runs nursery school (Shishu Niketan), dance school and school of fine arts in addition to a number of other activities.

Ñ **Biometric Gate Attendance System** has been implemented for Admin Building Staff .

Ñ **SMS based grievance management system** has been started to to improve recording, monitoring & compliance of grievance of staff

MILESTONES

26.05.1978	Foundation Stone laid by Prof. Madhu Dandavate, the then Hon'ble Minister of Railways.
12.11.1981	The workshop was commissioned with the beginning of Corrosion repair by Shri K. N. Pandey, the then Hon'ble Minister of Railways.
31.12.1983	First Off-POH Coach was turned out by Shri C. K. Jaffer Sharief, the then Hon'ble Minister of State for Railways.
01.09.2003	Group Incentive Scheme was introduced in the workshop.
31.03.2004	MCSW reached the milestone of 100 coach outturn in a month.
31.03.2005	The workshop reaches the milestone of 1000 coach outturn in a year by turning out 1092 coaches in 2004-05.
12.11.2007	Turning out 1 st . rake of 18 months POH periodicity.
01.11.2009	Switch over to 18 month periodicity POH & IOH of Bogies.
01.12.2009	Implementation of Revised Bonus factor under GIS.
01.02.2012	POH of BBS Duronto Coaches of Hybrid design
31.12.2013	Workshop completed 30 year registering peak productivity for 9 months in a row

SPECIAL ACHIEVEMENTS DURING 2013-14

Mancheswar Workshop has achieved new Mile Stones during 2013-14. Some of the achievements are recorded below :-

- **Highest Ever Physical outturn of 1546 coaches achieved during 2013-14 which is 36.33 % more in comparison of 1134 coaches achieved during 2012-13.**
- **Highest Ever POH figure of 1327 coaches achieved during 2013-14 which is 39.5 % more in comparison to 951 coaches achieved during 2012-13.**
- **Highest Ever Outturn of 4306 Bogies (2153 Bogie sets) was achieved during 2013-14 which is 27 % more in comparison of 3390 bogie outturn (1695 Bogie Sets) achieved during 2012-13.**
- **Wheel shop has successfully risen to the challenge and has created new record of crossing 10000 wheels per year by achieving highest ever outturn of 10574 wheels during 2013-14, which is 21.4 % more in comparison to 8710 wheel outturn achieved during 2012-13.**
- **Mancheswar workshop achieved the Highest Ever AC coach outturn of 191 coaches during 2013-14, which is 27.33 % more in comparison of 150 AC coaches achieved during 2012-13.**
- **Workshop achieved Highest Ever IOH figure of 825 (205 coaches + 620 Bogie sets) during 2013-14 which is 12 % more in comparison to 736 (152 coaches + 584 Bogie sets) achieved during 2012-13.**

- **Highest Ever outturn of 197 Corrosion coaches** was achieved during **2013-14, which is 65.55 % more in comparison to 119 Corrosion coaches** achieved during 2012-13.
- **All shops have achieved Peak Productivity level almost through out 2013-14** - A Feat achieved for the first time in Mancheswar Workshop.
- **Highest Ever 799 LHB wheel sets have been supplied to Divisions during 2013-14, which is 16.64 % more in comparison to 685 LHB wheel sets sent to divisions** during 2012-13.
- Mancheswar Workshop has received all 03 ISO Systems i.e. QMS, EMS & OHSAS in 2013-14. ISO 14001:2004 certificate for Environmental Management System and OHSAS 18001:2007 certificate for Occupational health and Safety was received by Honourable General Manager, East Coast Railway during his visit to this workshop on 21.03.2014 from MS Certification Services Pvt. Ltd, Kolkata. ISO 9001: 2008 certificate was received in Aug' 2013.
- First LHB coach turned out after attending D4 Schedule in May'14 and after POH in Jan'14.
- Biometric Gate Attendance System implemented for Admin Building Staff.
- SMS based grievance management system has been started.

