

1. WORKSHOP PERFORMANCE AT A GLANCE DURING 2013-14 :

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

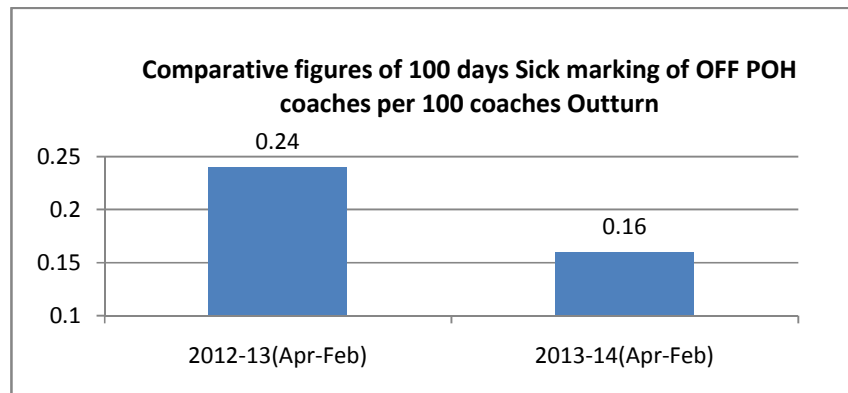
- **Highest Ever Physical outturn of 1546 coaches achieved during 2013-14 which is 36.33 % more in comparison of 1134 coaches achieved during 2012-13.**
- **Highest Ever POH figure of 1327 coaches achieved during 2013-14 which is 39.5 % more in comparison to 951 coaches achieved during 2012-13.**
- **Highest 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.**

Sl. No.	Description	Target	Actual		Cumulative		% Improvement (Monthly)	% Improvement (Cumulative)
			Mar' 2013	Mar' 2014	Mar' 2013	Mar' 2014		
01.	AC POH	16	15	18	150	191	(+) 20.0	(+) 27.33
	Non AC POH	96	73	95	801	1136	(+) 30.14	(+) 41.8
	Total POH	112	88	113	951	1327	(+) 28.41	(+) 39.54
02.	Wheel sets supplied by Workshop							
	IOH(12 M + 9 M).		340	304	3960	4252	(-) 10.6	(+) 7.37
	Others (Loose sets)		19	29	197	239	(+) 52.63	(+) 21.32
	LHB overhauling		05	08	27	67	(+) 60.0	(+) 148.15
	LHB turning		44	146	658	732	(+) 232.0	(+) 11.25
03.	Bogies supplied by Workshop for IOH							
	IOH Bogie Sets (Set of 2 Bogies)		46	47	584	620	(+) 2.17	(+) 6.16
	IOH Coach		15	18	152	205	(+) 20.0	(+) 34.87
	Total IOH		61	65	736	825	(+) 6.56	(+) 12.09

		Cumulative 2012-13	Cumulative 13-14	% Improvement
04.	Coach Conversion under RSP/Revenue	03	12	(+) 300.0
05.	Corrosion Repair	119	197	(+) 65.55
06.	Bogie Outturn	3390	4306	(+) 27.02
07.	Wheel Outturn	8710	10574	(+) 21.4
08.	Axle Guide Modification	260	796	(+) 206.15
09.	Shot Blasting of Bogie frames	2848	3445	(+) 20.96
10.	Coach toilet refurbishing	29	50	(+) 72.41
11.	Retrofitment of Bogie mounted air brake in coaches	--	34	(+) 3400.0
12.	100 days Sick marking of OFF POH coaches per 100 coaches Outturn (up to Feb)	0.24	0.16	33.33

2. QUALITY MANAGEMENT :

The 100 days sick marking during 2013-14 (April to February) has been 0.16 per 100 POH outturn as compared to 0.24 per 100 POH outturn during corresponding period of 2012-13. Therefore, there is 33 % improvement in 100 days failure per 100 POH outturn despite POH out turn being almost 40 % more than the last year.

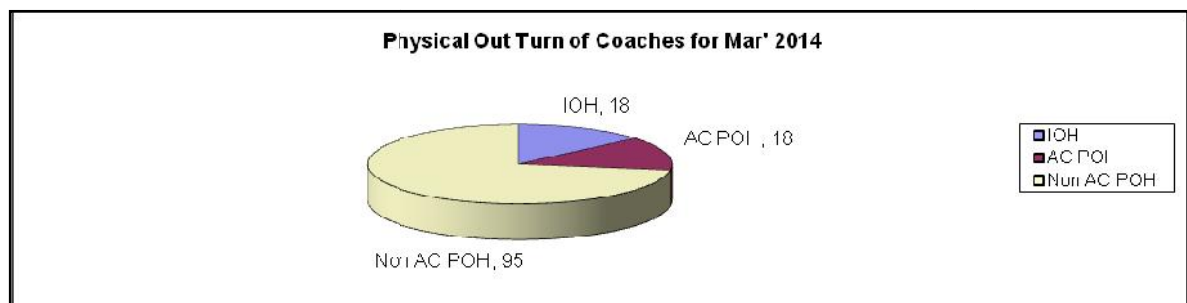


Efforts are being made to further reduce the 100 days failure by Quality Audit of the sections which are featuring in 100 days failures during current financial year.

3. PHYSICAL OUTTURN :

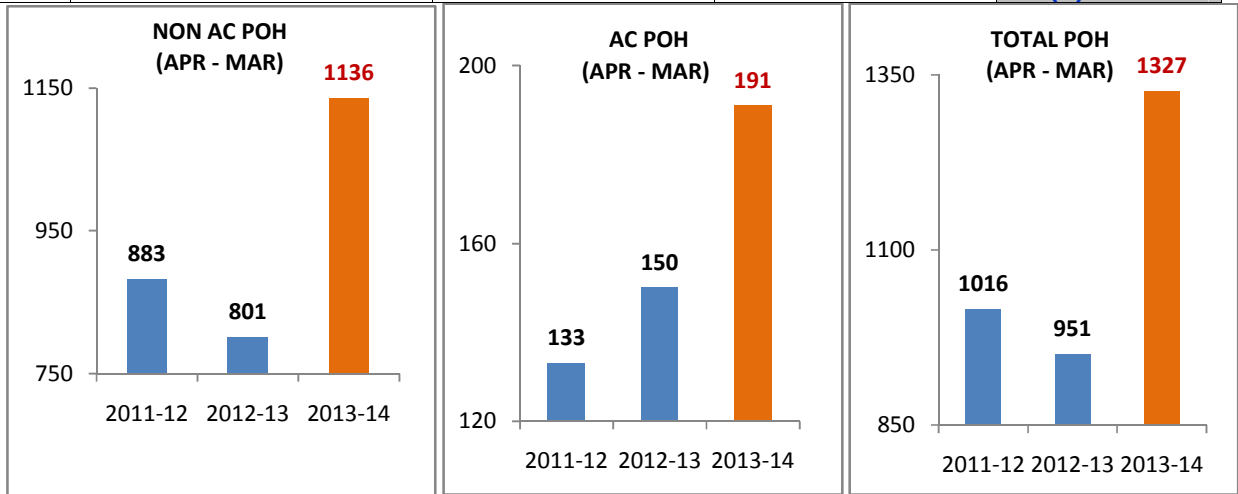
Total physical outturn of coaches during the month of Mar' 2014 was **131**. The break up is as under: -

	NON-AC	AC	TOTAL
POH	88	17	105
REFURBISHMENT	07	01	08
SUB TOTAL	95	18	113
IOH	12	06	18
GRAND TOTAL	107	24	131



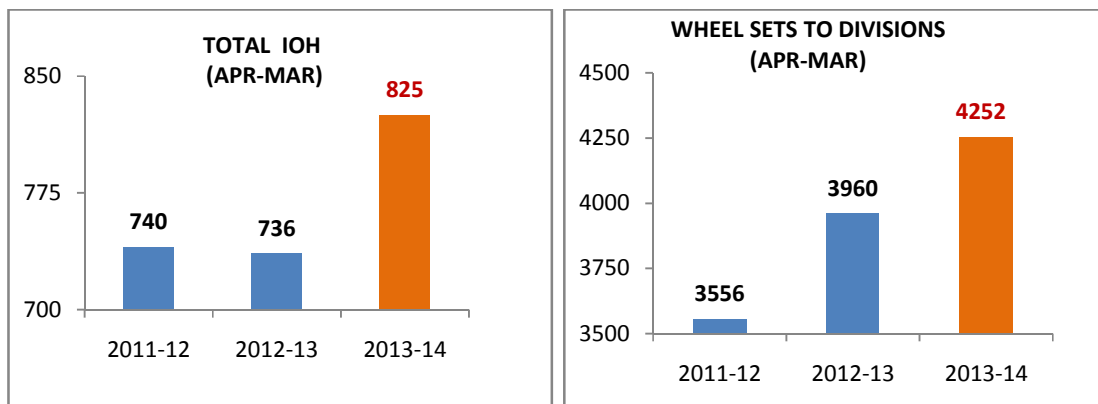
The Comparative position of POH is as under :-

Srl. No.	Description	2012-13	2013-14	% Improvement
1.	POH of Non-AC coaches	801	1136	(+) 41.8
2.	POH of AC coaches	150	191	(+) 27.33
3.	Total POH of coaches	951	1327	(+) 39.54



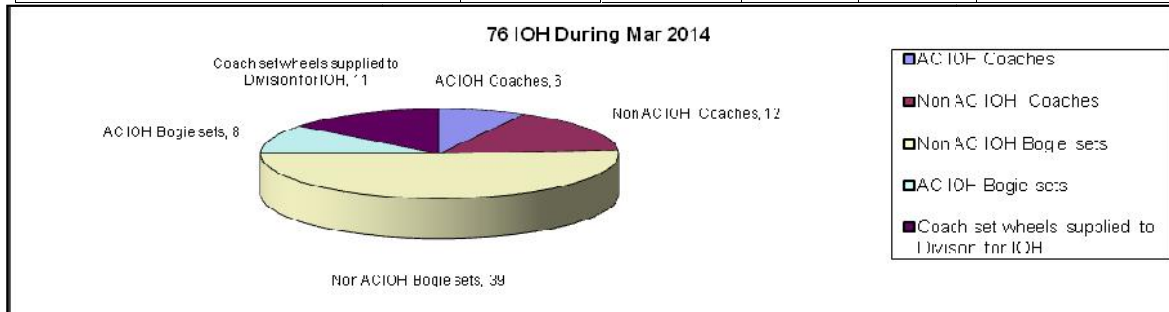
The Comparative position of IOH is as under :-

Srl. No.	Description	2012-13	2013-14	% Improvement
1.	IOH of Bogie Sets (Set of 2 Bogies)	584	620	(+) 6.16
2.	IOH of Coaches	152	205	(+) 34.87
3.	Total IOH	736	825	(+) 12.09
4.	Wheel Sets supplied to Division for IOH (12 M + 9M)	3960	4252	(+) 7.37



4. PRODUCTION OF WHEEL SETS FOR POH, IOH COACHES, BOGIE SETS AND LOOSE SETS:

	Bogies	Coach Equivalent			Wheel Sets
		Non AC	AC	Total	
POH of coaches (W/Shop)	226	95	18	113	452
IOH of coaches (W/Shop)	36	12	06	18	72
IOH of Bogies (Supplied)	94	39	08	47	188
Supply of Wheel Sets (for 12 month IOH at depots)	--	--	--	--	44
Other Wheel sets to depots	--	--	--	--	29
Tyre turning of LHB Wheels	--	--	--	--	146
Overhauling of LHB Wheels	--	--	--	--	08
TOTAL	356	146	32	178	939



5. REFURBISHING OF COACHES:

08 Nos. (07 Non-AC + 01 AC) refurbished coaches were turned out during the month of Mar' 14, taking the cumulative outturn of refurbished coaches to 64 nos. during 2013-14.

6. CYCLE TIME OF POH COACHES:

The Cycle time of 51 Light repair Non-AC coaches (Traffic in to Traffic out) is 10.54 working days, Cycle time of 22 Normal repair Non-AC POH coaches (Traffic in to Traffic out) is 17.72 working days, where as the cycle time for 21 Heavy repair Non-AC POH coaches (Traffic in to Traffic out) is 94.90 working days.

The Cycle time of 12 Light repair AC coaches (Traffic in to Traffic out) is 14.5 working days, Cycle time of 02 Normal repair AC POH coaches (Traffic in to Traffic out) is 21.5 working days, where as the cycle time for 05 Heavy repair AC POH coaches (Traffic in to Traffic out) is 99.6 working days.

	Cycle Time in days	
	Non-AC	AC
Light Repair	10.54	14.5
Normal Repair	17.72	21.5
Heavy Repair	94.90	99.6

7. MEASURES TAKEN TO ENHANCE SAFETY & RELIABILITY OF ROLLING STOCK:

7.1

SI No	Measures	Output in 2012-13	Output for Mar' 14	Output in 2013-14	Percentage Improvement
1.	Shot Blasting of Bogie Frames	2848	282	3445	(+) 20.96
2.	Retrofitment of Bogie mounted Air brake in coaches	--	08	34	(+) 3400.0
3.	PU Painting in coaches	06	04	46	(+) 666.7
4.	Axle Guide Modification	260	10	796	(+) 206.15

7.2 **21 GSCN coaches were provided with LED based Emergency Lights during the month, taking the cumulative figure to 153 Nos. during 2013-14.**

SI No	Measures	Output in 2012-13	Output in 2013-14	Percentage Improvement
1.	Provision of LED based Emergency lights in GSCN coaches	110	153	(+) 39.09

7.3 **02 Nos. 1100Ah battery boxes were modified during the month, taking the cumulative figure to 45 Nos. during 2013-14.**

7.4 **137 MT of scrap material have been disposed off from this workshop in Mar' 14. Cumulative of 4041 MT and 14292 nos. of scrap material and 22 nos. condemned coaches have been disposed off from this workshop during 2013-14.**

