

## CONTENTS

	Paragraph	Pages
Abbreviations used in the Report		i
Executive Summary		iii to vi
<b>Chapter 1 Introduction</b>		
Modules of ICMS	1.1	1
Objectives of the ICMS	1.2	2
System Architecture	1.3	2
Organization	1.4	2
Audit Objectives	1.5	3
Audit Criteria	1.6	3
Audit Methodology and Scope	1.7	3
Sample size	1.8	4
Acknowledgement	1.9	4
<b>Chapter 2 Achievement of objectives of ICMS</b>		
Monitoring punctuality of trains through ICMS	2.1	5
Monitoring status of coaching stock through ICMS	2.2	10
Managing coach maintenance through ICMS	2.3	18
<b>Chapter 3 Application Controls</b>		
Deficiencies in integration between ICMS and other applications viz. PRS/COA/CGS etc.	3.1	22
Mismatch in data between ICMS and PRS	3.2	23
Deficiencies in Master Data	3.3	23
Discrepancies in Coach/Train/Loco Attributes	3.4	24
Non-validation of train/loco data	3.5	26
Discrepancies in data of Stations, Division, Yard, Base depot, Interchange Station and sick coaches	3.6	27
Other areas where data was found to be illogical/invalid	3.7	28
Non-updation of Repair, Maintenance and Depreciation Charges	3.8	28
Helpdesk Services	3.9	29
<b>Chapter 4 IT Security</b>		
Physical Access Control	4.1	30
Logical Access Control - User and Password Management	4.2	30
Change Procedure/Management	4.3	33
ICMS Documentation	4.4	33
Business Continuity Plan	4.5	33
<b>Chapter 5 Conclusion and Recommendations</b>		
Conclusion and Recommendations		36
<i>Annexures</i>		<b>39-74</b>