

APPENDIX J

COMPLIANCE REPORT FOR PROCUREMENT TECHNICAL SPECIFICATION (PTS)

PTS Clause No	Description	Complied	Not Complied	Remarks
1. Introduction	1.1. General			
	1.2. Climatic Condition			
	1.3. Operating Environments			
2. Definitions				
3. Precedence of Documents				
Qualifying Criteria for subcontractor and Vendor approval	4.1 Proven Design (ERTS clause 3.2.2)			
	4.2 Vendor approval			
5. Scope of Supply	5.1 Hardware			
	5.2 System Requirement of Fire &Smoke Detection System			
	5.2 Software			
	5.3 Interface Responsibilities			
	5.4 Design Information			
	5.5 Testing			
	5.6 Operation and Maintenance Manuals and Spare Parts Catalogues			
	5.6.1 Submissions			
	5.6.2 Electronic Manuals			
	5.7 Spares, Special Tools and Testing Equipment			
	5.8 Storage, Packing Crating and Marking			
	5.9 Training			
	5.9.1 Training Manual			
	5.10 Warranty			
6. Technical Requirements	6.1 General			
	6.2 Fire and Smoke Detection System			
	6.3 SEM (System Engineering Management)			
	6.4 Quality			
	6.4.1 General			
	6.4.2 Quality System Requirements			
	6.4.3 Quality (Assurance) Plan			
	6.4.4 Inspection and Test			
	6.4.5 Quality Audit			
	6.4.6 Extra Requirements			

	6.5 System Assurance (SA)			
	6.5.1 Safety Assurance Program & Plan			
	6.5.2 Hazard Analysis			
	6.5.3 Reliability: General			
	6.5.4.Quantitative Reliability			
	6.5.5.Maintainability			
	6.5.6. Reliability and Maintainability Demonstrations			
	6.5.7 Maintenance			
	6.6 EMC 24			
	6.6.1 Introduction			
	6.6.2 Guideline for EMI/EMC Plan			
	6.6.3 Design for EMC			
	6.6.4 EMI/EMC Tests			
	6.6.5 Test Items (Standard) for each System			
	6.6.6 Safety-related System Interference			
	6.6.7 Non-Safety-Related System Interference			
	6.6.8 Environmental EMC			
	6.7 Noise and Vibration			
	6.8 Fire			
	6.8.1 Other			
	6.9 Design Information			
	6.9.1 General			
	6.9.2 Design and Performance Requirements			
	6.9.3 Design Submission Requirements			
	6.10 Software			
	6.11 Weight			
7. Design information	7.1 General			
	7.2 Design			
	7.2.1 General			
	7.2.3 Requirement of Electronic Equipment			
	7.3 SEM (System Engineering Management)			

PTS Clause No	Description	Complied	Not Complied	Remarks
8. Testing	8.1 General			
	8.1.1 General			
	8.1.2 Inspection			
	8.1.3 Inspection Hold points			
	8.1.4 Test procedure			
	8.1.5 Sequence of tests			
	8.2 Routine and type tests of equipment and sub-systems			
	8.2.1 Type Test, Fire & smoke Detection system .			
	8.2.2 Routine Test, Fire & Smoke Detection system			
	8.2.3 Fire Performance Test			
	8.2.4 Noise and Vibration Performance Test			
	8.2.5 EMI/EMC Test			
	8.2.6 Software verification and testing			
	8.3 Factory and Site Tests of complete cars ..			
	8.3.1 Type Test, Completed car, unit and Train Tests			
	8.3.2 Routine Test, Completed car, unit and Train Tests			
	8.4 Testing and Commissioning of cars/trains in India			
	8.4.1 Type Commissioning Tests			
	8.4.2 Routine Commissioning Tests			
8.5 Integration Test				
8.6 Instrumentation and Dynamometer Tests and Oscillation Trials				
8.7 Service Trials				
9. Others				
10. Submittals – Technical offer:				
COMPLIANCE TO ADDENDUM-1				

Authorized signatory with company seal / stamp