



KTM KOMUTER

Malaysia's First Electric Rail

18/11/96



Contents

Background	2
Project Organisation	10
Infrastructure	16
Rolling Stocks	52
Re-Orientation	66
KTM Komuter / Passenger Service	76
Project Contribution	88
Major Contractors / Suppliers	92
Acknowledgements	96
Appendices	97
Glossary	120

List of Figures

THE DOUBLE TRACKING DECISION

Figure 1 **KTM Komuter Route Map** **Page 7**

RESETTLEMENT OF SQUATTERS

Figure 1 **Squatter resettlement table** **Page 18**

ATP

Figure 1 **Speed/distance profile on how ATP works** **Page 29**

Figure 2 **Track side equipment for ATP** **Page 30**

Figure 3 **Speed/direction of travel profile on ATP** **Page 31**

ELECTRIFICATION

Figure 1 **Major feeding diagram** **Page 35**

Figure 2 **Typical cantilever construction for
double track** **Page 36**

Figure 3 **Typical headspan construction** **Page 36**

MAINTENANCE DEPOT FOR ELECTRICAL MULTIPLE UNITS

Figure 1 **Schematic layout of EMU depot at Sentul** **Page 63**

PASSENGER INFORMATION SYSTEM

Figure 1 **Route guide for KTM Komuter Service** **Page 78**