

LIST OF TABLES

Table 1-1: Minimum Period Prior to Removal of Formwork.....	10
Table 2-1: Minimum Lap Lengths	19
Table 2-2: - concrete cover to reinforcement	20
Table 3-1: Tolerance limits for ready-mix concrete ingredients	30
Table 3-2: Coefficients for adjusted CCS Calculations	33
Table 3-3: concrete classification, mix design, and material specification	39
Table 3-4: Durability Properties for Concrete Tests	53
Table 3-5: Set of Samples Values	54
Table 3-6: Chloride & Sulphate levels.....	54
Table 3-7: Rate of Sampling Concrete.....	55
Table 3-9: Testing Frequencies & Reference Standards for Hardened Concrete.....	56
Table 8-1: Guideline for the design mix:	100
Table 8-2: Mechanical properties of the mix at 28 days:.....	100
Table 9-1:– Shotcrete Properties.....	115
Table 9-2:– Shotcrete Aggregate Grading	115
Table 9-3:– Micro-Concrete Properties.....	116
Table 9-4: - Epoxy Lining Mortar Properties	117
Table 10-1:– Epoxy Coating Requirements.....	138
Table 10-2: Polyurethane Elastomeric Membrane Requirements	139
Table 10-3:– Physical Properties PVC and HDPE Linings.....	140
Table 10-4: - GRP Lining Properties.....	141
Table 10-5:– Waterproof Membrane Requirements.....	144
Table 11-1- Water stops Physical Properties	156
Table 11-2:– Self Swelling Water bars Physical Properties	156
Table 13-1: Combined Grading	174