LIST OF TABLES

TABLE4.1	Details of Moderate Deep beams with Reinforcement		77
TABLE4.2	Details of Moderate Deep beams with amount of	of	78
	Reinforcement		
TABLE4.3	Description of all beams with Amount of Reinforcement		79
TABLE4.4	Details of Tensile Reinforcement		85
TABLE4.5	properties of Carbon steel fibres		86
TABLE4.6	Properties of Polypropylene Fibres		86
TABLE4.7	Mould size		88
TABLE4.8	Sieve Analysis of Coarse Aggregate		89
TABLE4.9	Sieve Analysis of Fine Aggregate		90
TABLE4.10	Final Proportion of Ingredients		95
TABLE 5.1	Control Specimen for Plain Series		100
TABLE 5.2	Control Specimen for RCC Series		100
TABLE 5.3	Control Specimen for RCC + Fiber Series		101
TABLE 5.4	Control Specimen for RCC, PFRC and SFRC		101
TABLE 5.5	Load Deflection Readings of R150 S300		102
TABLE 5.6	Load Deflection Readings of F150 S300		103
TABLE 5.7	Load Deflection Readings of R225 S450		103
TABLE 5.8	Load Deflection Readings of F225 S450		104
TABLE 5.9	Load Deflection Readings of R300 S600		104
TABLE 5.10	Load Deflection Readings of F300 S600		105
TABLE 5.11	Load Deflection Readings of R375 S750		105
TABLE 5.12	Load Deflection Readings of F375 S750		106
TABLE 5.13	Load Deflection Readings of R450 S900		106
TABLE 5.14	Load Deflection Readings of F450 S900		107
TABLE 5.15	Load Deflection Readings of R525 S1050		107
TABLE 5.16	Load Deflection Readings of F525 S1050		108
TABLE 5.17	Load Deflection Readings of R600 S1200		108
TABLE 5.18	Load Deflection Readings of F600 S1200		109
TABLE 5.19	Load Deflection Readings of R150 S300		109
TABLE 5.20	Load Deflection Readings of F150 S300		110
TABLE 5.21	Load Deflection Readings of R225 S450		110
TABLE 5.22	Load Deflection Readings of F225 S450		111
TABLE 5.23	Load Deflection Readings of R300 S600		111
TABLE 5.24	Load Deflection Readings of F300 S600		112
TABLE 5.25	Load Deflection Readings of R375 S750		112
TABLE 5.26	Load Deflection Readings of F375 S750		113
TABLE 5.27	Load Deflection Readings of R450 S900		113
TABLE 5.28	Load Deflection Readings of F450 S900		114
TABLE 5.29	Load Deflection Readings of R525 S1050		114

TABLE 5.30	Load Deflection Readings of F525 S1050	115
TABLE 5.31	Load Deflection Readings of R600 S1200	115
TABLE 5.32	Load Deflection Readings of F600 S1200	116
TABLE 5.33	Load Deflection observation for A2-RCC	116
TABLE 5.34	Load Deflection observation for B-RCC	117
TABLE 5.35	Load Deflection observation for C-RCC	117
TABLE 5.36	Load Deflection observation for D-RCC	118
TABLE 5.37	Load Deflection observation for E-RCC	118
TABLE 5.38	Load Deflection observation for A2-PFRC	119
TABLE 5.39	Load Deflection observation for B-PFRC	119
TABLE 5.40	Load Deflection observation for C-PFRC	120
TABLE 5.41	Load Deflection observation for D-PFRC	120
TABLE 5.42	Load Deflection observation for E-PFRC	121
TABLE 5.43	Load Deflection observation for A2-SFRC	121
TABLE 5.44	Load Deflection observation for B-SFRC	122
TABLE 5.45	Load Deflection observation for C-SFRC	122
TABLE 5.46	Load Deflection observation for D-SFRC	123
TABLE 5.47	Load Deflection observation for E-SFRC	123
TABLE 5.48	RCC 1P Reserved Strength and Ductility Factor	140
TABLE 5.49	RCC + Fiber 1P Reserved Strength and Ductility Factor	140
TABLE 5.50	RCC 2P Reserved Strength and Ductility Factor	141
TABLE 5.51	RCC + Fiber 2P Reserved Strength and Ductility Factor	141
TABLE 5.52	Reserved Strength and Ductility Factor for Various Series	142
TABLE 6.1	Comparison of Experimental Test Results of Ultimate Load	144
	with Various formula (1P)	
TABLE 6.2	Ratio of W _{exp} / W _{theo} (1P)	145
TABLE 6.3	Percentage Difference of $((W_{exp} - W_{theo})/W_{exp})$ for RCC Series (1P)	145
TABLE 6.4	Comparison of Ultimate load between RCC and Fibrous	146
	series(1P)	
TABLE 6.5	Size Effect for Plain Series and Graphical	146
	Representation(1P)	
TABLE 6.6	Nominal Shear Stress for RCC Series(1P)	147
TABLE 6.7	Nominal Shear Stress for Fibrous Series (1P)	148
TABLE 6.8	Comparison of Experimental Test Results of Ultimate Load with Various formula (2P)	148
TABLE 6.9	Ratio of W _{exp} / W _{theo (2P)}	149
TABLE 6.10	% Difference of (($W_{exp} - W_{theo}$)/ W_{exp}) x 100 for RCC Series	149
TABLE 6.11	Comparison of Ultimate load between RCC and Fibrous	151
	series	
TABLE 6.12	Nominal Shear Stress for Plain Series	151
TABLE 6.13	Nominal Shear Stress for RCC Series	152
TABLE 6.14	Nominal Shear Stress for Fibrous Series	153

TABLE 6.15	Result of Linear Regression Analysis	157
TABLE 6.16	Comparison of RCC Ultimate load Results with Modified P. J. ROBBINS Formula (1P)	158
TABLE 6.17	Comparison of Fibrous ultimate load Results with Modified P. J. ROBBINS Formula(1P)	159
TABLE 6.18	Comparison of RCC Ultimate load Results with Modified P.J. ROBINS Formula	160
TABLE 6.19	Comparison of Fibrous Ultimate load Results with Modified P. J. ROBINS Formula	161
TABLE 6.20	Comparison of Experimental Nominal Shear Stress with APPA RAO Formula and MODIFIED P. J. ROBBINS Formula(1P)	162
TABLE 6.21	Comparison of Experimental Nominal Shear Stress with MODIFIED P. J. ROBBINS Formula (1P)	163
TABLE 6.22	Comparison of Experimental Nominal Shear Stress with APPA RAO Formula and MODIFIED P. J. ROBINS Formula For RCC Beams (2P)	164
TABLE 6.23	Comparison of Experimental Nominal Shear Stress with Modified P. J. ROBINS Formula for Fibrous Beams (2P)	165
TABLE 7.1	Experimental Size Effect Factor values for different series of beams	174
TABLE 7.2	Experimental Size Effect Factor value by Regression analysis	175
TABLE 7.3	Comparison of Experimental Test Results for Ultimate Load with Various formula	176
TABLE 7.4	Comparison of % difference for Ultimate Load with Various formulas	177
TABLE 7.5	Comparison of Experimental Test Results for Ultimate Load with Various formulas	178
TABLE 7.6	Comparison of % difference for Ultimate Load with Various formulas	178
TABLE 7.7	Comparison of Experimental Test Results for Ultimate Load with Various formulas	179
TABLE 7.8	Comparison of % difference for Ultimate Load with Various formulas	180
TABLE 7.9	Comparison of Experimental Test Results for Ultimate Load with Various formulas	181
TABLE 7.10	Comparison of % difference for Ultimate Load with Various formulas	181
TABLE 7.11	Comparison of Wu test/ Wu theo with Various formula for (R) beams	182
TABLE 7.12	Comparison of Wu test/ Wu theo with Various formula for	184

	(RL) beams	
TABLE 7.13	Comparison of Wu test/ Wu theo with Various formula for	185
	(RF) beams	
TABLE 7.14	Comparison of Wu test/ Wu theo with Various formula for (RLF) beams	187
TABLE 7.15	Overall comparison of Ultimate Shear Strength Ratio with	188
	various formulas	
TABLE 7.16	Overall comparison of % Difference with various formulas	189
TABLE 7.17	Size effect of tested beams with Different Parameters	191
TABLE 7.18	Comparison of Size Effect for "R" Beam Series	194
TABLE 7.19	Comparison of Ultimate Shear Stress Ratio For "R" Beam Series	195
TABLE 7.20	Comparison of Size Effect for "RL" Beam Series	196
TABLE 7.21	Comparison of Ultimate Shear Stress Ratio for "RL" Beam Series	197
TABLE 7.22	Comparison of Size Effect for "RF" Beam Series	198
TABLE 7.23	Comparison of Ultimate Shear Stress Ratio For "RF" Beam Series	199
TABLE 7.24	Comparison of Size Effect for "RLF" Beam Series	200
TABLE 7.25	Comparison of Ultimate Shear Stress Ratio for "RLF" Beam Series	201
TABLE 8.1	Shear Stress of Tested Beam	203
TABLE 8.2	Comparisons of Shear Strength Values by Experimental, Original equation and Modified Equation	211
TABLE 8.3	Comparison of Ultimate Shear strength of various beam data of past thesis with other Researcher's equations	214
TABLE 9.1	Comparison of Ultimate Load for Different Series	220
TABLE 9.2	Nominal Shear Stress for RCC Series	221
TABLE 9.3	Nominal Shear Stress for RCC, PFRC & SFRC Beams	221
TABLE 9.4	Nominal Shear Stress for PFRC Series	222
TABLE 9.5	Nominal Shear Stress for SFRC Series	223
TABLE 9.6	Variable Range	227
TABLE 9.7	Constant Value for Size Effect Parameter	227
TABLE 9.8	Comparison of shear strength obtained by different equation	230
TADIECO	•	022
TABLE 9.9	Ratio of experimental & Theoretical results	233
TABLE 9.10	Comparison of Shear Strength Results with Other Formula	235
TABLE 9.11	Ratio of Wexp/Weqn for Various Formula	237
TABLE 11.1	SPSS 16.0 Regression constants	276
TABLE 11.2	SPSS 16.0 ANNOVA Results of Nonlinear Regression	277