

APPENDIX - A

(For Chapter - 4)

INPUT DATA FOR ASSESSMENT OF SECURITY

UNIT NO.	REPAIR RATE (1/YR)	FAILURE RATE (1/YR)	COLD START-UP COST
1	219	4	282
2	638	4	267
3	638	2.6	227
4	638	2.6	287
5	638	2.6	276
6	585	2.5	113
7	585	2.5	94
8	151	1.2	114
9	151	1.2	101
10	151	1.2	85

$$\text{START-UP COST} = \frac{\text{cs} * \text{r} * \text{t}}{1 + \text{r} * \text{t}}$$

WHERE,

cs = COLD START-UP COST

r = RATE OF COOLING (r = 0.25)

t = TIME IN HOURS (UNIT IS OFF)

MITL = 0.0007 (MITL = MAXIMUM TOLERABLE INSECURITY LEVEL)