

TABLE 3-4 COST ESTIMATES FOR NATIONAL AND REGION 1 CONTROL CENTERS

	EC	LC	Total
a) Hardware system	154.6	-	154.6
b) Operating system	17.7	-	17.7
c) Application software	19.0	-	19.0
d) Installation & testing	7.6	2.6	10.2
e) Training course	2.8	1.8	4.6
f) Miscellaneous Facilities	3.8	32.6	36.4
Total	205.5	37.0	242.5

The estimated cost for this project is 250.0 million of which 205.5 million is for the hardware and 44.5 million is for the software and miscellaneous facilities. The detailed breakdown of the estimate can be found in Table 3-4 and 3-5.

Co-ordinate functions of all SCCs including interchange management and monitoring power transfers between regions and utilities.

Optimization of reactive power transfer.

System security assessment including state estimator, contingency analysis, static and dynamic security monitor and on-line dispatching analysis.

Performing the economic load dispatch program.

Providing for system simulation and operator training.

The RCC-1 and RCC-2 will be located in the vicinity of the existing dispatching centers at the National Power Plant and Phitsanulok 2 Substation. The RCC-1 and RCC-2 will control all 115 kV and 220 kV transmission lines in Region 1. They will also accept control from the functions of the RCC-3 and RCC-4.