Initially, there will be 80 remote stations under control of NCC and RCC-1 which will share the same computer system. The installation of hardware includes :

-Duel computer systems: one will be served as an on-line, real-time function and the other will be served as hot standby. Each consists of a CPU 16 megabytes main memory, two units of 300 magawords mass storage subsystem and one programming development sybsystem.

-A man-machine interface subsystem, a telecontrol subsystem and remote termianl units (RTU).

The software system for NCC and RCC-1 consists of an operating system, a supervisory control and data acquistition (SCADA) software system and an application software system.

b) Region 4 Control Center (RCC-4)

There will be 26 remote stations under supervision and control of RCC-4. The installation of hardwares and softwares includes :

-Duel computers with 2 megabytes main memory, two units of 80 megawords mass storage and one programming development equipment subsystem.

-A man-machine interface subsystem, a telecontrol subsystem and remote terminal units (RTU)

-An operating system software, a SCADA software system and an application software system.

c) Communication Equipment

-Approximately 100 data modems will be required for NCC and RCC-1 plus 44 for RCC-4, totalling 144 modems.

-Approximately 100 PLC terminals will be required for NCC and RCC-1 plus 50 terminals for RCC-4, totalling 150 terminals.

-Approximately 70 multiplexer or TDMA channel units will be required for NCC and RCC-1 plus 20 for RCC-4, totalling 90 units.

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