

**DRESSER-RAND-POWER**

DR61G(000)-1-3

**CHAPTER 1**

**GENERAL**

**DRESSER-RAND-POWER**

DR61G(000)-1-3-1

This Part of the Manual provides the instructions for the operation of the turbine-generator unit and the associated equipment.

Once the controls at the local Control Cabinets have been set, for 'remote' operation and 'automatic' generator synchronisation, all the control and alarm functions may be supervised from the remote Control Terminal or additionally the Honeywell Mainframe Computer where suitable interfacing exists.

**NOTE:** All system information with regard to operating status and alarms are available to the Remote Terminal. The interfacing to the site mainframe computer is not part of the **Dresser-Rand Power** scope of supply; and therefore is necessary to refer to the installer's documentation for precise information as to the facilities available.

When operating in 'Remote' mode all operations will proceed as described. The only operation that can only be instigated from the Remote Terminal is the setting and operation of the Data Logger.

It is important that these instructions are strictly adhered to; they are to be used as a check list each time the turbine is started.

Note that the turbine can be stopped by selecting the 'STOP' function on the local and remote terminal video displays or by manually activated Emergency Stop Switches in the local Control Room or at the Remote Terminal Console. Additional Emergency Stop Switches are installed on the exterior of the Gas Turbine/Generator Enclosures.

**WARNING:** The Emergency Stop Switches must not be used as the 'normal' shut-down control on a loaded turbine. Such use would invalidate any warranty that may be in force on the turbine-generator unit.

Also note that the preset value for high exhaust gas temperature is different for the starting sequence when compared with that for normal running. These values will be automatically varied with the temperature of the intake air.