

Attachment 17, Generic version

The Process Steam Pressure and Process Steam Flow values will be provided by JEA for each Supplier in a separate correspondence. The Power Island Equipment shall be configured with the following options to allow the Owner to implement an amine post combustion carbon capture system (PCCCS) at a future date:

1. **Process Steam Extraction Nozzle:** Supplier shall furnish a nozzle on the IP Turbine Exhaust casing for process steam extraction in the future. Process steam requirements for the PCCCS are as follows:

Heat Balance Case	15	19
CTG Load	Base	MECL
Duct Burner Status	ON	OFF
Barometric Pressure, psia	14.65	14.65
Dry-Bulb Temperature, F	24	24
Relative Humidity, %	60	60
Process Steam Pressure, psia	Later	Later
Process Steam Flow, kpph	Later	Later

2. **Process Steam Pressure Control Valve:** Supplier shall include provisions in the IP-LP turbine cross over piping for installation of a metal seated butterfly pressure control valve for purposes of controlling PCCCS process steam extraction pressure in the future.
3. **Turbine Control System:** Supplier shall include sufficient provisions in the STG control system hardware and I/O for implementation of a controlled extraction pressure control loop, and associated control of extraction assisted check valves, drain valves and extraction isolation valve. Supplier's control system shall also be capable of handling 100% process steam load rejection without exceeding the turbine allowable load ramp rate or requiring an external process steam dump valve.
4. **HRSG Stack:** Supplier shall furnish provisions in the HRSG stack for connection to a future duct for purposes of routing the flue gas to the PCCCS. Connection shall be furnished with a blanking plate which will be removed in the future when the PCCCS is installed.

Supplier shall include a description of the provisions provided along with the proposal and estimated pricing for the above.