

1. SOW

The Supply and delivery of the following spares:

a) Butterfly control valve and a pneumatic actuator (PGA15AA001)

Body material: A216 WCB
Nominal Size: 200 mm
Manufacturer: Fisher Controls
Design Pressure: 1.0 MPa
Design Temperature: 60 DegC
To be provided with material certificate

b) Butterfly control valve and a pneumatic actuator (PGA33AA001)

Body material: A216 WCB
Nominal Size: 100 mm
Manufacturer: Fisher Controls
Design Pressure: 1.0 MPa
Design Temperature: 60 DegC
To be provided with material certificate

c) Butterfly control valve and a pneumatic actuator (PGA43AA001)

Body material: A216 WCB
Nominal Size: 250 mm
Manufacturer: Fisher Controls
Design Pressure: 1.0 MPa
Design Temperature: 60 DegC
To be provided with material certificate

2. Risk Assessment

The auxiliary cooling water system provides a continuous supply of demineralised cooling water to various coolers associated with the turbine generating unit. The cooling water flow through the coolers is regulated by the pneumatically operated control valves listed on the SOW above. Failure of these valves to operate in accordance with the temperature signals from the control system affects the performance of the plant. There is a risk of overheating or overcooling of the working fluid if the control valves are malfunctioning, which has a direct impact on the

performance and integrity of the equipment where the fluid is used. Currently the valve PGA43AA001 is passing on multiple units. This leads to overcooling of the turbine lubricating oil at low load. This affects the properties and flow of the fluid which delays turbine runup/ unit RTS.

3. Technical Evaluation Criteria

Criteria			
Manufacturers number	Model	20%	
Manufacturers number	Serial	20%	
Drawings of showing parts and dimensions (GA)	Device and	30%	
No Drawing		0%	
Signed Letter of Authorisation from manufacturer/agent or distributor		30%	
No letter		0%	

Threshold 70%