

**AMENDMENT NO- 06 TO BIDDING DOCUMENTS FOR TELANGANA STPP PHASE-I (2X800MW)
STEAM GENERATOR ISLAND PACKAGE**

Sl. No						EXISTING	READ AS
	SEC	Part	Sub-Sec	Page No.	Clause No.		
82.	VI	B	IIIC-08	1 of 6	1.01.0 3	For special type of control valves such as combined pressure and temperature control valves for Aux PRDS application, separator drain control valves, refer to the corresponding mechanical sections.	Deleted
				1 of 6	1.02.0 4	Control valves for application such as SH Spray Control, RH spray Control, Heavy Oil Heating, pressurizing and Control system, HP/LP heater Emergency level control, Emergency Make-up to condenser hotwell, GSC minimum flow, Deaerator Drain to Condenser Hotwell, Condensate spill to condensate reserve tank, condenser normal make-up and valve gland sealing supplying pressure control, CEPS minimum flow control, BFP circulation control valve shall have permissible leakage rate as per leakage Class V. All other control valves shall have leakage rate as per leakage Class-IV as per ANSI / FCI /70.2,2006 or equivalent.	Control valves for application such as SH Spray Control, RH spray Control, Heavy Oil Heating, pressurizing and Control system shall have permissible leakage rate as per leakage Class V. All other control valves shall have leakage rate as per leakage Class-IV as per ANSI / FCI /70.2,2006 or equivalent.
					1.02.0 5	The control valve induced noise shall be limited to 85 dBA at 1 meter from the valve surface under actual operating conditions. The noise abatement shall be achieved by valve body and trim design and not by use of silencers.	The control valve induced noise shall be limited to 85 dBA at 1 meter from the valve surface under actual operating conditions. The noise abatement shall be achieved by valve body and trim design and not by use of silencers. However, in case of very special cases where noise parameter is not possible without silencer, the same may be finalized during detailed Engineering subject to Employer's approval.

Bid Document no. CS-9591:101:2

Amendment No. 1 to Technical Specification
Amendment No. - 6 (Doc no. CS-9591:101:2-AMDT- 6)

Page 28 of 31

Project:- TELANGANA STPP PHASE-I (2X800MW)

Package:-STEAM GENERATOR ISLAND PACKAGE

**AMENDMENT NO- 06 TO BIDDING DOCUMENTS FOR TELANGANA STPP PHASE-I (2X800MW)
STEAM GENERATOR ISLAND PACKAGE**

Sl. No						EXISTING	READ AS																																						
	SEC	Part	Sub-Sec	Page No.	Clause No.																																								
				2 of 6	3.00.00	VALVE MATERIALS: <table><tr><th>Sr. No.</th><th>Service</th><th>Body material</th><th>Trim Material</th></tr><tr><td>1</td><td rowspan="2">Non-corrosive, non-flashing and non-cavitation service except DM water</td><td>Carbon steel ASTM-A216 Gr. WCB for fluid temperature below 275 Deg. C</td><td rowspan="2">316SS stellited with stellited faced guide posts and bushings.</td></tr><tr><td></td><td>Alloy steel ASTM-A217Gr. WC9 for fluid temperature above 275 Deg. C</td></tr><tr><td>2.</td><td>Severe flashing/cavitation services</td><td>Alloy steel ASTM-A217 Gr. WC9</td><td>440 C</td></tr><tr><td>3.</td><td>Low flashing/cavitation service</td><td>Alloy steel ASTM-A217 Gr. WC6</td><td>17-4 PH SS</td></tr><tr><td>4.</td><td>DM water service</td><td>316 SS</td><td>316 SS</td></tr></table>	Sr. No.	Service	Body material	Trim Material	1	Non-corrosive, non-flashing and non-cavitation service except DM water	Carbon steel ASTM-A216 Gr. WCB for fluid temperature below 275 Deg. C	316SS stellited with stellited faced guide posts and bushings.		Alloy steel ASTM-A217Gr. WC9 for fluid temperature above 275 Deg. C	2.	Severe flashing/cavitation services	Alloy steel ASTM-A217 Gr. WC9	440 C	3.	Low flashing/cavitation service	Alloy steel ASTM-A217 Gr. WC6	17-4 PH SS	4.	DM water service	316 SS	316 SS	VALVE MATERIALS: <table><tr><th>Sr. No.</th><th>Service</th><th>Body material</th><th>Trim Material</th></tr><tr><td>1</td><td rowspan="3">Non-corrosive, non-flashing and non-cavitation service except DM water</td><td>Carbon steel ASTM-A216 Gr. WCB for design fluid temperature below 275 Deg. C</td><td rowspan="3">316SS stellited with stellited faced guide posts and bushings.</td></tr><tr><td></td><td>Alloy steel ASTM-A217Gr. WC6 for design fluid temperature above 275 Deg. C and upto 400 Deg C</td></tr><tr><td></td><td>Alloy steel ASTM-A217Gr. WC9 for design fluid temperature (Design) above 400 Deg. C</td></tr><tr><td>2.</td><td>Severe flashing/cavitation services</td><td>Alloy steel ASTM-A217 Gr. WC9</td><td>440 C</td></tr></table>	Sr. No.	Service	Body material	Trim Material	1	Non-corrosive, non-flashing and non-cavitation service except DM water	Carbon steel ASTM-A216 Gr. WCB for design fluid temperature below 275 Deg. C	316SS stellited with stellited faced guide posts and bushings.		Alloy steel ASTM-A217Gr. WC6 for design fluid temperature above 275 Deg. C and upto 400 Deg C		Alloy steel ASTM-A217Gr. WC9 for design fluid temperature (Design) above 400 Deg. C	2.	Severe flashing/cavitation services	Alloy steel ASTM-A217 Gr. WC9	440 C
Sr. No.	Service	Body material	Trim Material																																										
1	Non-corrosive, non-flashing and non-cavitation service except DM water	Carbon steel ASTM-A216 Gr. WCB for fluid temperature below 275 Deg. C	316SS stellited with stellited faced guide posts and bushings.																																										
		Alloy steel ASTM-A217Gr. WC9 for fluid temperature above 275 Deg. C																																											
2.	Severe flashing/cavitation services	Alloy steel ASTM-A217 Gr. WC9	440 C																																										
3.	Low flashing/cavitation service	Alloy steel ASTM-A217 Gr. WC6	17-4 PH SS																																										
4.	DM water service	316 SS	316 SS																																										
Sr. No.	Service	Body material	Trim Material																																										
1	Non-corrosive, non-flashing and non-cavitation service except DM water	Carbon steel ASTM-A216 Gr. WCB for design fluid temperature below 275 Deg. C	316SS stellited with stellited faced guide posts and bushings.																																										
		Alloy steel ASTM-A217Gr. WC6 for design fluid temperature above 275 Deg. C and upto 400 Deg C																																											
		Alloy steel ASTM-A217Gr. WC9 for design fluid temperature (Design) above 400 Deg. C																																											
2.	Severe flashing/cavitation services	Alloy steel ASTM-A217 Gr. WC9	440 C																																										

Bid Document no. CS-9591:101:2

**Amendment No. 1 to Technical Specification
Amendment No. - 6 (Doc no. CS-9591:101:2-AMDT- 6)**

Page 29 of 31

Project:- TELANGANA STPP PHASE-I (2X800MW)

Package:-STEAM GENERATOR ISLAND PACKAGE

**AMENDMENT NO- 06 TO BIDDING DOCUMENTS FOR TELANGANA STPP PHASE-I (2X800MW)
STEAM GENERATOR ISLAND PACKAGE**

Sl. No						EXISTING	READ AS
	SEC	Part	Sub-Sec	Page No.	Clause No.		
						NO TE Valve body rating shall meet the process pressure and temperature requirement as per ANSI B16.34.	(Refer Note) 3. Low flashing /cavitation service 4. DM water service NOT E: (a) Valve body rating shall meet the process pressure and temperature requirement as per ANSI B16.34. (b) Severe flashing / cavitation services includes as a minimum all control valves whose downstream piping is connected to condenser or flash tank.
				3 of 6	5.00.00	VALVE ACTUATORS: All control valves shall be furnished with pneumatic actuators except for pressure and temperature control valve for auxiliary PRDS application (electro-hydraulic / pneumatically operated) and separator drain control valve (electro-hydraulic type).	VALVE ACTUATOR: All modulating control valves shall be provided with pneumatic actuators unless otherwise specified elsewhere in the Technical specification including Tender Drawings.
				6 of 6		Bidder shall furnish all the control valves under this main plant package as finalized during detailed engineering stage without any price repercussions	Deleted