



IMI CCI wins pressure reducing valve upgrades at power station in India

The challenge

The customer approached IMI CCI to explore how to extend the life of the installed IMI CCI auxiliary pressure reducing valve (a technology acquired from Sulzer®).

IMI CCI had over twenty such design valves installed in the auxiliary pressure reducing desuperheating system. These valves had been in operation for over 35 years.

The solution

Over the years the IMI CCI team had upgraded many design features on the original BE model to extend the life cycle of the valve. The IMI CCI team worked closely with the customer to demonstrate the benefits of the new design features of the BE valve, including quick change trim to

reduce maintenance time; a high velocity oxygen fuel chromium carbide stem to cut down the risk of stem erosion; and graphite pre-formed packing rings to prevent packing leakage.

A significant cost benefit for the customer was that the new valves and actuators could be installed in the existing piping with the original design hydraulic control accessories.



BE Valve

The first valve was commissioned in February 2017. Based on the satisfactory performance of the valves, the customer placed an order for an additional three valves.

Engineering GREAT Solutions



Features and improvements	Benefits
Complete valve - forged/welded or casted body available	Optimised leak tightness between stem and seat and between stem and gland
Redesigned bonnet and gland packing design	Easy assembly
Quick exchange trim	Lower maintenance cost and no special tool requirements
3-stage letdown	Less erosion
Less material due to shorter body	No cooling lines required
Water seal available for downstream vacuum	On request sealing water: No air leakage through packings
Stem high velocity oxy fuel (HVOF) chromium carbide - coated	Longer life time of stem, seat and valve body

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