

Specification for Forged Carbon Steel Gate Valve (IBR)

Type - Forged Carbon Steel Gate Valve. IBR Certified.

Duty - To handle steam at pressure = 10.9 Kg/cm^2 at temp. 260°C .

Design - conventional port, outside screw and yoke, bolted bonnet rising stem, solid wedge and threaded renewable seats, CLASS-800.

Stem - Rising Stem out side screw.

End Connection - Flanges drilled as per BS-10, table-F.

Operation - Through malleable iron hand wheel, ASTM A47.

Make - KSB / BPR / Microport / LFT or equal but IBR certified.

Material of construction

- (a) Body & Bonnet With integral Yoke & gland- ASTM-A 105 Gr-II
- (b) Stem, Disc & seat ring- 13% Cr stainless Steel Heat treated and Hardened Facing.
- (c) Gland Packing - PTFE Impregnated asbestos
- (d) Gasket - Spiral wound asbestos with SS-304 insert

Notes-

1. The party shall submit following with the offer

- (a) Complete description and illustrative catalogue / literature
- (b) Detailed cross section drawing with parts/material list.

On failure to submit documents as specified the offer is likely to be rejected.

2. The party shall submit the following documents along with supply of material

- (a) Material test certificate (in this suppliers must indicate clearly chemical composition and physical properties)
- (b) Hydraulic test certificate.
- (c) IBR certificate in Form IIIC duly signed by inspecting authorities for valve meant for steam service.

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