

Annexure – D

Cast Carbon Steel Gate Valve Handwheel operated, IBR Approved

MOC

- Body & Bonnet – Cast Steel, ASTM A 216 Gr. WCB
- Stem – 13% Cr. Steel
- Seat Ring – 13% Cr. Facing
- Disc – 13% Cr. Steel
- Gasket – SPW SS304 + Graphite
- Gland Packing – Graphite
- Fasteners – ASTM A 193 Gr B7/A194 Gr. 2H
- End Connection – Fe to ANSI B 16.5, Serr. Finish
- Face to Face – ASME B 16.10
- Design Std. – API 600
- Testing Std. – API 598 & IBR
- Valve Rating – **ANSI Class # 150**

PRESSURE TEST

- Hydro Shell : 32 Kg/cm<sup>2</sup>g
- Seat/ B. Seat : 23 Kg/cm<sup>2</sup>g
- Air Seat : 7 Kg/cm<sup>2</sup>g

Testing Std. : As per EN 10204 3.1.B / DIN 50049 3.1.B

**Note :**

1. Party should submit General Assembly Drawings of the valve along with quotation.
2. Overall dimensions along with weight of the valve must be mentioned along with quotation.
3. Party should supply the IBR / Test Certificate (Form IIIC) with each valve.
4. Carbon Content in valve body not to exceed 0.25%.
5. The Make & Specification of valve should be tagged with the valve.
6. The valve body / bonnet shall be painted with Heat Resisting Aluminium Paint.
7. The Valve Size of 25 NB and 80 NB are of Non-raising stem and Valve Size of 150 NB and 200 NB are of Raising Stem.

NEP