

**CORRIGENDUM-2**

**Date: 26. 10.2023**

Ref.: Bid Document No. CUGL/C&P/TEN2324/47 dated 07.10.2023 (E-tender No. 55744) for the Procurement of CS Fitting, Flange Valves & Insulation Joint for Kanpur, Unnao, Bareilly and Jhansi.

**Sub.: Corrigendum-2**

**Please note the following corrigendum-2**

*Data Sheet for ball valves Flange end has been incorporated in subject tender which is enclosed at annexure-1.*

Note : All other terms & conditions of tender shall remain same.

This corrigendum-2 is to be treated as part of the original bid document and while submitting your offer, corrigendum-2 shall also be signed and stamped along with bid document.

Thanking you

For, Central U.P. Gas Limited

(Shekhar D. Kankrej)  
Sr. Manager (C&P)



**PROCUREMENT OF CS FITTINGS, INSULATION JOINTS  
AND BALL VALVES**

Data Sheet for Ball valve Flange end

1.	Valve Manufacturer	:	* (Vendor to specify)	
2.	Valve Size (NB), mm (inch)	:	4 inches to 8 inches	ANSI Rating: 150#
3.	Design Standard	:	API 6D	
4.	Connecting Pipeline Design Pressure, kg/cm <sup>2</sup> (g)	:	49	Design Temperature, °C -29 to 65 °C
5.	Maximum pressure differential, kg/cm <sup>2</sup> (g)	:	49	
6.	<b>Connecting Pipe Specification</b>			
7.	Material	:	API 5L GR-X42/52	
8.	Diameter (OD), mm (inch)	:	Refer Material Requisition	
9.	Thickness, mm	:	6.4 mm	
10.	<b>Valve Construction Design</b>			
11.	Bore	:	Reduced <input type="checkbox"/>	Full <input type="checkbox"/>
12.	End Connections	:	(Refer Material Requisition) Flanged 150# RF, ANSI 16.5	
13.	Flanges (wherever applicable)	:	a) RF <input type="checkbox"/> FF <input type="checkbox"/> RTJ <input type="checkbox"/> NA <input type="checkbox"/>	
14.		:	b) Serrated <input type="checkbox"/> Smooth (125 to 200 u AARH) <input type="checkbox"/> NA <input type="checkbox"/>	
15.	Valve Type	:	<b>Valve Size 4" &amp; above Full-Bore Floating Valve</b>	
16.	<b>Valve Material Specification</b>			
17.	Part		Specified Material	Material Offered
18.	Body		ASTM A 216 Gr.WCB/A234 Gr.WPB	
19.	Ball		(ASTM A 216 Gr.WCB/A234 Gr.WPB )+ 75 microns ENP/ AISI 410	
20.	Body seat ring		(ASTM A 216 Gr.WCB/A234 Gr.WPB )+ 75 microns ENP/ AISI 410	
21.	Seat seal		RPTFE/ PTFE	
22.	Stem		(AISI 4140 + 75 microns ENP)/ AISI 410	
23.	Stem Seal		Grafoil/PTFE	
24.	Studs Bolts & Nuts		ASTM A193 Gr. B7/ A194 Gr. 2H	
25.	Corrosion Allowance		1.5 mm	
26.	Service	:	Natural gas	
27.	Location	:	Above Ground <input type="checkbox"/> Buried	
28.	Stem Extension Requirement	:	Yes <input type="checkbox"/> No <input type="checkbox"/> Length of stem Extension, m : N.A	
29.	Gear Operator Requirement	:	Yes <input type="checkbox"/> No <input type="checkbox"/>	
30.	Lock Open/ Lock Close Requirement		During approval of data sheet	
31.	Fire Resistant Design Requirement	:	API 607 for floating ball valve design, API 6FA for trunnion mounted ball valve design	
32.	<b>Valve Testing Requirement</b>			
33.	Testing standard	:	API 6D	



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34.	Hydrostatic Body Test Pressure (min.), kg/cm <sup>2</sup> (g)	:	76
35.	Hydrostatic seat Test Pressure (min.), kg/cm <sup>2</sup> (g)	:	57
36.	Air test Pressure, kg/cm <sup>2</sup> (g)	:	5.6-7
37.	Anti-Static Testing Requirement	:	As per standard API 6D
38.	Valve Painting Specification		
39.	Suitable for Environment Type		Corrosive Industrial Environment
40.	Painting specification no.		Surface preparation by Short Blasting as per grade SA 2 1/2, Swedish Standard SIS-05-5900-1967. 1 Coat of Inorganic Zinc Silicate primer with 65-75 $\mu$ DFT/coat +3 coats of High Build coal tar Epoxy primer @100 $\mu$ DFT/coat . Total DFT -365 $\mu$ (min.)

**Notes:**

- 1). This Valve Data Sheet shall be read in conjunction with CUGL 's Technical Specification.
- 2) Inspection and Testing shall be as per QAP, this Data Sheet, CUGL T.S., API 6D and other relevant standards.
- 3). Stops shall be provided to ensure positive alignment of ball with ports and ensure proper installation of handle.
- 4). Short pattern valves as per API 6D are not permitted, only long pattern valves are to be supplied.
- 5) Charpy V- notch test for body, ball, body seat rings, stem & studs/nuts will be conducted as per relevant material code.
- 6) For WNRF Flanged ends shall have flanges as per ASME B16.5
- 7) Valves shall be inspected and approved by Purchaser before despatch.
- 8) The requirement of Full Bore or Reduced bore shall be as per Material Requisition and Price schedule
- 10). Detailed dimensional drawings showing cross-section with part numbers and materials shall be submitted for Purchaser's approval prior to manufacture of the valves.
- 11). \* Denotes vendor to indicate.
- 12). \* Ball & stem shall be ENP coated for minimum thickness of 75 microns.