CORRIGENDUM-1

Date: 10.05.2021

Ref.: Bid Document No. CUGL/C&P/TEN2122/21,229,002 (E-TENDER NO.: 49912) dated 28.04.2021 for the Procurement of CS Fitting, CS Valves & Insulation Joint for Expansion of CS Pipeline Network in Kanpur, Bareilly & Jhansi.

Sub.: Corrigendum-1 for addition of specification data sheet for 2" Ball valve, one end Flange one side welded.

Please note the following corrigendum -1

The specification data sheet for 2" Ball valve, one end Flange one side welded has been added to the tender document (attached herewith as Annexure-I). The same is updated on our e-tender portal https://cugl.abcprocure.com for the subject tender.

Bidders are required to submit their price bid accordingly.

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

This corrigendum-1 is to be treated as part of the original bid document and while submitting your offer, corrigendum-1 shall also be signed and stamped along with bid document.

Thanking you

For, Central U.P. Gas Limited

(K. K. Gupta)
Sr. Manager (C&P)

PROCUREMENT OF CS FITTINGS, INSULATION JOINTS AND BALL VALVES

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Data Sheet for Ball valve, one end Flange one side welded.

1.	Valve Manufacturer	:	* (Vendor to specify)	
2.	Valve Size (NB), mm (inch)	:	2 inches	ANSI Rating: 300#
3.	Design Standard	:	API 6D	
4.	Connecting Pipeline Design Pressure, kg/cm2(g)	:	49	Design Temperature, °C -29 to 65 ^{0} C
5.	Maximum pressure differential, kg/cm2(g)	:	49	
6.	**Connecting Pipe Specification**			
7.	Material	:	**ASTM A106 Gr.B (for 2'' NB)**	
8.	Diameter (OD), mm (inch)	:	Refer Material Requisition	
9.	Thickness, mm	:	6.4 mm	
10.	**Valve Construction Design**			
11.	Bore	:	Reduced □	Full □
12.	End Connections	:	one end Flange one side welded (Refer Material Requisition)	
13.	Flanges (wherever applicable)		a) RF □ FF □ RTJ □ NA □	
14.			b) Serrated □ Smooth (125 to 200 u AARH) □ NA □	
15.	Valve Type	:	**Double Block & Bleed type Bolted valve design is not acceptable**	
16.	**Valve Material Specification**			
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 □ Buried □ valve is installed **inside valve pit**/chamber.	
28.	Stem Extension Requirement	:	Yes □ No □ Length of stem Extension, m : N.A	
29.	Gear Operator Requirement	:	Yes □ No □	
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.	**Valve Testing Requirement**			

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33.	Testing standard	:	API 6D
34.	Hydrostatic Body Test Pressure (min.), kg/cm2(g)	:	76
35.	Hydrostatic seat Test Pressure (min.), kg/cm2(g)	:	57
36.	Air test Pressure, kg/cm2(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 Inorgonic Zinc Silicate primer with 65-75µ DFT/coat +3 coats of High Build coal tar Epoxy primer @100 µ DFT/coat . Total DFT -365µ (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 soft seated valves with Butt welded end, valves shall be provided with pup pieces one side of length 200 mm and one side 2inch 300 # WNRF Flanged ends shall have flanges as per ASME B16.5. The MOC of pup piece for 2" valves are A106 Gr.B Sch.80, Length of pup piece shall be confirmed by manufacturer so as to avoid damage to seats during field welding or post weld heat treatment.

7) For welding end, the out of roundness (i. e. difference between maximum and minimum ID at pipe end) shall not be more than 0.5% of pipe OD.

8) Valves shall be inspected and approved by Purchaser before despatch.

9) 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 75microns.