

CORRIGENDUM NO.02 TO NOTICE INVITING TENDER

- **TENDER ID:** 2026_IGGL_274524_1
- **TENDER NO.:** IGGL/GHY/C&P/PROJ/BALL-VALVE/04-26 date 10.04.2026 (E-tender No. IGGL 100110)
- **JOB NAME:** PROCUREMENT OF BALL VALVE FOR BI- DIRECTIONAL FLOW ARRANGEMENT IN COMPRESSOR STATION, BAIHATA.

SUBJECT: AMENDMENT IN TECHNICAL SPECIFICATION OF THE SUBJECT TENDER.

➤ With reference to the above Tender, kindly note the following:

Sl. No.	Description/ Tender Clause No.	Existing Entry	Amended Entry
1	<u>Section-VI</u> <u>SCC & SOS</u> "Data sheet for Ball Valves" Tender page no. 168/171	As specified on Page No. 168 of 171 of the tender document.	As detailed in <u>Annexure-A</u> (attached below)

DATA SHEET FOR HOV BALL VALVE

1.0 Valve Manufacturer : Actuator Manufacturer :
 2.0 Valve Size DN (inch) : DN 450 (18") ANSI Rating : 600# Design Standard : API 6D
 3.0 MECON's Technical Specification No. : MEC/TS/05/21/002, Rev-1, Ed-1
 4.0 Connecting Pipeline Design Pressure : 92 Kg/cm² (g) Design Temperature, °C : -29°C to +65°C

5.0 Connecting Pipe Specification : NA

5.1 Material

5.2 Outer Diameter, mm

6.0 Valve Construction Design

6.1 Configuration : Reduced Bore Full Bore
 6.2 End Connections : Flanged as per ASME B16.5 Butt Welded as per ASME B16.25
 6.3 Flanges (wherever applicable) : a) RF RT NA
 b) Serrated Smooth (125 to 200 microinches AARH) NA
 6.4 Ball Mounting : Trunnion Mounted
 6.5 Valve body type : Fully Welded Two/Three Piece Bolted Either
 6.6 500 mm pup piece(integrally welded to the valve on each side) : Yes No

(Material, Outer Diameter and Thickness of pup piece to be same as that of the connecting pipe mentioned above)

7.0 Valve Material Specification

Part	Specified Material	Material Offered (Equivalent or superior)
7.1 Body	A 216 Gr. WCB / A 234 Gr. WPB	
7.2 Ball	(A 216 Gr.WCB/A 234 Gr.WPB) +75 µENP coating/ AISI410	
7.3 Body Seat Rings (No Casting)	AISI 4140 + 75 micron ENP coating/AISI 410	
7.4 Seat Seal	VITON/DEVLON	
7.5 Stem (No casting)	AISI 4140 + 75 micron ENP coating/AISI 410	
7.6 Stem Seals	VITON/PTFE	
7.7 Trunnion	A 216 Gr. WCB/A 234 Gr. WPB	
7.8 Stud Bolts/ Nuts	ASTM A 193 Gr. B7/ A194 Gr. 2H	

8.0 Corrosion Allowance : 1.5 mm Service : Natural Gas

9.0 Location : Above Ground Buried

10.0 Stem Extension Requirement : Yes No

11.0 Gear Operator Requirement : Yes (For 6" & above) No

12.0 Actuator Requirement : Yes No Specification No. MEC/TS/05/E5/002 and HOV datasheet

13.0 Fire Resistant Design Requirement : Type test as per API 6FA/API607

14.0 Valve Testing Requirement

		Test Pressure (min.), kg/cm ² (g)	Minimum Duration, minutes
14.1 Hydrostatic Test	Body	157	As per API 6D
	Seat	114	As per API 6D
14.2 Air Test		5.6-7	As per API 6D

15.0 Anti-Static Testing Requirement : As per Standard API 6D (Latest Ed.)

16.0 Valve Painting Specification

16.1 Surface preparation by Short Blasting as per grade SA 2 1/2, Swedish Standard SIS-055 909.
 16.2 For above ground installation-Three coats of corrosion resistant paint shall be applied with minimum thickness of 300 micron (Permissible thickness in each coat shall be within 80 to 120 micron). Colour of paint shade shall be RAL-7038, however any change in colour shall be finalized during drawing approval stage.

17.0 Lock Open/ Lock Close/Normally Close Requirement : NA

Notes:

1. This Valve Data Sheet shall be read in conjunction with the technical specification of valve.
2. Minimum thickness of valve body and adapter shall not be less than that specified in technical specification of valve. I
3. Inspection and Testing shall be as per the approved QAP, this Data Sheet, technical specification of valve, API 6D and other relevant standards.
4. Stops shall be provided for positive alignment of the ball with ports and ensure proper installation of the handle.
5. Short pattern valves (as per API 6D or otherwise) are not permitted. Only long pattern valves are to be supplied.
6. Charpy V-notch & Hardness test for body, body adaptor, end flanges, ball, body seat rings, stem & studs / nuts shall be conducted as per Cl. 3.4 & 3.6 of TS respectively or as per the relevant material code.
7. Compressed asbestos fibre (CAF) shall not be used for body sealing / gasket materials.
8. Valves shall be inspected and approved by Purchaser before dispatch.
9. Support foot & lifting lugs shall be provided as per Cl. 4.16 of the TS for Ball Valves.
10. Bidder shall clearly write the valve material (equivalent or superior) offered by them against each part/material of the valve in the space provided for. Wherever the bidder agrees with the valve material as mentioned above in the data sheet, bidder shall clearly indicate "AGREED".
11. All documents shall be in English Language only.

TYPICAL DATA SHEET FOR HYDRAULIC ACTUATOR			
GENERAL	1	SERVICE	NATURAL GAS
ACTUATOR	1	TYPE	HYDRAULIC ACTUATOR, MANUALLY OPERATED
	2	MIN. GAS PRESSURE FOR ACTUATOR SIZING	**
	3	SUPPLY PRESSURE: MIN/NOR/MAX.	*
	4	POWER GAS SUPPLY CONNECTION	*
	5	TUBING MATERIAL	SS 316
	6	TUBING SIZE: PNEUMATIC/HYDRAULIC	*1/2" O.D. MINIMUM.
	7	FILTER REGULATOR	REQUIRED
	8	VALVE POSITION INDICATOR	OPEN/CLOSE
	9	MANUAL OVERRIDE	REQUIRED
	10	FAILURE POSITION	FAIL IN LAST POSITION
	11	PAINTING	AS PER PAINTING SPECIFICATION
	12	LOCAL CONTROL PANEL	REQUIRED
	13	CONTROL PANEL MATERIAL	SS 316
	14	LOGIC/TUBING COMPONENTS	SS 316 (MINIMUM)
	15	TUBE FITTINGS	SS 316
	16	PANEL ENCLOSURE CLASS	IP-66
	17	GAS STORAGE & HYD. CYLINDER CAPACITY	
	18	ACCESSORIES	
	19	POSITION SWITCHES	REQUIRED FOR BOTH OPEN AND CLOSED POSITIONS
	20	SOLENOID VALVE	*
	21	ADJUSTABLE STOPPER FOR ACTUATOR	REQUIRED FOR BOTH OPENING & CLOSING
	22	STEM EXTENSION	*
VALVE POSITION SWITCH	1	SWITCH TYPE	PROXIMITY TYPE
	2		
	3	CONTACT RATING	*
	4	CABLE ENTRY (JUNCTION BOX)	1/2" NPT (F) (2 NOS.)
	5	SWITCH QUANTITY	TWO
	6	ENCLOSURE MATERIAL	SS 316
	7	ENCLOSURE CLASS	NEMA 4X (NOTE-1)
	8	CERTIFICATION	REQUIRED
	9	CERTIFICATION AGENCY	UL/FM/BASEEFA OR EQUAL
PROCESS DATA	1	FLUID	SWEET HC GAS
	2	FLOW RATE MIN/ NOR. / MAX MMSCMD	*
	3	PRESSURE DROP @ NORMAL FLOW (KPBA)R(G)	*
	4	OPERATING TEMPERATURE °C	5 TO 50
	5	OPERATING PRESSURE MIN./NOR./MAX. BAR(G)	*
	6	DESIGN TEMPERATURE °C	-29 TO +65 °C
	7	DESIGN PRESSURE BAR(G)	92
	8	DIFFERENTIAL PRESSURE	92 BAR
	9	DENSITY @ NOR. FLOW / MOLECULAR WEIGHT	*
	10	VISCOSITY CP	*
	11	SPECIFIC HEAT RATIO (CP/CV) SPECIFIC HEAT RATIO (CP/CV)	*

* Vendor to specify

** Actuator shall be sized considering max. Design Differential pressure across the valve.

Notes:

All other terms & conditions of the tender document remains unchanged.

(All bidders intending to participate in the tender must upload signed & sealed copy of all pages of this Corrigendum No. 02 as their acceptance along with their bid).