



INDRADHANUSH GAS GRID LIMITED (IGGL)

(Joint Venture of IOCL, ONGC, GAIL, OIL and NRL)

GUWAHATI, ASSAM

**NORTH -EAST GAS GRID PIPELINE PROJECT
(PIPELINE SECTION 4, 6, 7, 8, 9, 12, 13 & 14)**

CORRIGENDUM `1 FOR PROCUREMENT

OF

ASSORTED VALVES

OPEN DOMESTIC COMPETITIVE BIDDING

Tender No.: 05/51/23VC/IGGL/003A

**Visit: www.tenderwizard.com/MECON
(Tender wizard helpdesk: 011-49424365)**



PREPARED AND ISSUED BY

MECON LIMITED

(A Govt. of India Undertaking)

Delhi, India



CORRIGENDUM # 1
PROCUREMENT OF ASSORTED VALVES FOR NORTH -EAST GAS GRID PIPELINE PROJECT
(PIPELINE SECTION 4, 6, 7, 8, 9, 12, 13 & 14) OF M/s IGGL

Tender No. 05/51/23VC/IGGL/003A



Date: 11.01.2022

Sl. No.	Description	Volume	Page No.	Clause / Para / Section	Amendment / Addition / Modification / Deletion	
1	AVAILABILITY OF TENDER DOCUMENT ON WEBSITE(S)	I of II	5 of 163	2.0 (F) of IFB	Amendment	The clause no. 2.0 (F) of IFB, shall be read as AVAILABILITY OF TENDER DOCUMENT ON WEBSITE(S) :From 23.12.2021 to 20.01.2022 (1400 Hrs, IST) on following websites: (i) Tender Wizard's e-Procurement Portal (e-Portal): www.tenderwizard.com/MECON Contact person:- Mr. Suraj Singh Mobile:- 9599653865/01149424365 (The same may also be referred as IGGL's E-Portal in this tender document) (ii) IGGL Website – https://iggl.co.in/ (iii) Govt. CPP Portal - https://etenders.gov.in (iv) MECON's Tender Website: www.meconlimited.co.in
2	DUE DATE & TIME OF BID-SUBMISSION (ON OR BEFORE)	I of II	5 of 163	2.0 (H) of IFB	Amendment	The clause no. 2.0 (H) of IFB , shall be read as DUE DATE & TIME OF BID-SUBMISSION (ON OR BEFORE) : Upto 1400 hrs. (IST) on 20.01.2022
3	DATE AND TIME OF UN-PRICED BID OPENING	I of II	5 of 163	2.0 (I) of IFB	Amendment	The clause no. 2.0 (I) of IFB , shall be read as DATE AND TIME OF UN-PRICED BID OPENING At 1500 hrs. (IST) on 20.01.2022 Shall be conducted through Video Conferencing Details of VC as under Google Meet joining info Video call link: https://meet.google.com/pks-pqey-csi
4	Cut Out Slip	I of II	7 of 163	-	Amendment	The revised cut out slip is enclosed as Annexure-I to this Corrigendum.
5	Data Sheet	II o II		-	Addition	The data sheet no. MEC/23VC/05/28/M/001/DS/GV/01 is enclosed as Annexure-II to this Corrigendum.

All other terms & conditions of tender document remain unaltered.

ANNEXURE-I to CORRIGENDUM 1

Cut-Out Slip

DO NOT OPEN - THIS IS A QUOTATION

***Bid Document No.* : 05/51/23VC/IGGL/003A**

***Description* : PROCUREMENT OF ASSORTED VALVES FOR PIPELINE SECTION 4, 6, 7, 8, 9, 12, 13 & 14 OF NORTH -EAST GAS GRID PIPELINE PROJECT OF M/S INDRADHANUSH GAS GRID LIMITED**

***Due Date& Time* : 20.01.2022 at 1400 Hrs (IST)**

From:* *To:

	<i>The Sr. General Manager (Contracts) MECON LIMITED 15TH FLOOR, NORTH TOWER, SCOPE MINAR, LAXMI NAGAR, DELHI – 110092 Ph No.: 91-11-22401100/22401144 Fax No.: 91-11-22041214 Email : cont-delhi@mecon.co.in</i>
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(To be pasted on the envelope containing Physical documents)

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ANNEXURE-II to CORRIGENDUM 1

DATA SHEET FOR GLOBE VALVES

MR Item nos. : 9

1. Valve Manufacturer :
 2. Size DN (inch) : DN100 (4") Rating : ANSI 600# Design Standard : ISO:15761 / BS:1873
 3. Purchaser's Specification : Refer Technical notes for Gate & Globe Valves
 4. Design Pressure : 92 kg/cm²(g) Design Temperature : -29°C to + 65°C
 5. Corrosion Allowance : 1.5mm Service : Natural Gas
 6. End Connections : Flanged both ends as per ASME B 16.5
 Butt Weld both ends as A-16.25
 Flanged one end butt weld other end
 Socket weld both ends as per ASME B16.11
 7. Flanges (where applicable) : a) RF FF RTJ
 b) Serrated Smooth (125 to 200 AARH)
 8. Connecting Pipe Specification : N.A.


9. Valve Material Specification :

	Part	Material	Material Offered (Equivalent or Superior)
9.1	Body	ASTM A 216 Gr.WCB	
9.2	Bonnet (Bolted)	ASTM A 216 Gr.WCB	
9.3	Stem (Rising)	13% Cr. Steel (No Casting)	
9.4	Disc(Loose Plug/Ball Type)	(ASTM A 216 Gr. WCB + 13% Cr Steel Facing) / 13% Cr Steel (Stellited)	
9.5	Body Seat Ring	ASTM A 216 Gr. WCB+13% Cr Steel Facing (Stellited)	
9.6	Stem Packing (Renewable with valve open on stream)	Corrosion inhibited die formed flexible graphite with braided anti extrusion rings	
9.7	Hand Wheel (Rising)	Malleable Iron/ Cast Steel/ Fab. Steel	
9.8	Bonnet Bolts	A 193 Gr. B7	
9.9	Bonnet Nuts	A194 Gr. 2H	
9.10	Bonnet Gasket	Spiral Wound SS 316 + Grafoil	

10. Hydrostatic Test Pressure
 a) Body : 157 kg/cm²(g)
 b) Seat & Backseat : 114 kg/cm²(g)
 Test duration shall be as per BS:1873
 11. Pneumatic Test Pressure with Air : 5.6 - 7 kg/cm²(g)
 12. Painting Specifications:
 i) Surface preparation by Short Blasting as per grade SA 2 1/2, Swedish Standard SIS-055 909.
 ii) 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.

Notes:

- Valve specification sheet shall be read in conjunction with technical notes for Gate and Globe valves.
- Valve shall be designed for intrinsically fire safe.
- Testing shall be as per BS EN 12266-1, approved QAP, this specification and other relevant standards.
- Bidder shall clearly write all/ any deviation against each part/ material of valve in the space provided for . Wherever bidder agrees with MECON's data sheet, bidder shall clearly indicate "agreed".
- Charpy 'V' notch test on each heat of base material shall be conducted for all pressure containing parts such as body, end flange, welding ends as well as the bolting material as per ASTM A370. The test shall be conducted at 0°C. The minimum average absorbed energy per set of three specimen shall be 27 J with an individual minimum per specimen of 22 J.
- Hardness test shall be carried out on each heat of base material for all pressure containing parts of the valve. A full thickness cross section shall be taken for this purpose and the maximum hardness shall not exceed 248 HV10 based on minimum four measurements representing the entire thickness.
- Stem packing shall be renewable with valve open on stream .
- Painting procedure of the valves shall be as per Manufacturer's Standard.
- Material Test Certificates and Hydro Test Reports shall be furnished prior to dispatch.
- Minimum thickness of valve body /bonnet shall not be less than that specified in the design standard + corrosion allowance.

REV. NO.	DATE	ZONE	DESCRIPTIONS	BY	APPRD	REFERENCES	DRG. NO.	
REVISIONS								
SECTION Oil & Gas			CLIENT : INDRADHANUSH GAS GRID LIMITED					
	PREPARED	CHECKED	APPROVED	 MECON LIMITED				
NAME	A.Mathur	HK	IS					
DATE	18-Dec-21	18-Dec-21	18-Dec-21					
SIGN								
PROJECT: NORTH -EAST NATURAL GAS PIPELINE GRID (PHASE II)						DATA SHEET NO.:		
DATA SHEET FOR GLOBE VALVES (NB ≥ 2")						MEC/23VC/05/28/M/001/DS/GV/01		
						REV 0		