



RAJASTHAN STATE GAS LIMITED
राजस्थान राज्य गैस लिमिटेड

CORRIGENDUM #01

DATE : 24.03.2025

TENDER DOCUMENT FOR PROCUREMENT OF NATURAL GAS REGULATORS

TENDER NO.: RSGL/KOTA//PROJ/C&P/2024-25/NIT-19 DATED-03-03-2025

S. N.	Clause No.	Page No.	Description	Amendment/ Addition Modification/ Deletion	Details
1	2.0 (I) - Invitaiton of Bid (IFB)	Page 7 of 189	Due Date & Time of Bid Submission	Modification	Extended upto 02.04.2025 till 14:00 Hrs IST
2	2.0 (J) - Invitaiton of Bid (IFB)	Page 7 of 189	Date & Time of Un-Priced Bid Opening	Modification	Revised as 02.04.2025 at 15:00 Hrs IST
Note	1. Bidder to submit signed & stamped copy of this Corrigendum#01 along with Un-Price Bid. 2. All other terms and conditions of the tender shall remain unchanged.				



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DATE: 24.03.2025

REPLIES TO BIDDER'S QUERIES

Replies to Pre-bid queries for Procurement of Natural Gas Regulator for CGD Project of Kota GA
Tender No : RSGL/KOTA//PROJ/C&P/2024-25/NIT-19 Dated 03.03.2025

Sl. No.	Reference of Tender Document				Bidder's Query	RSGL's Reply
	Sec No.	Page No.	Clause No.	Subject		
1	Sec. I	06 of 189	E	DELIVERY PERIOD	As tender requirement is too small we request you to kindly take the regulators in 2-3 lots	Tender Condition's shall prevails
2	Sec. VI	169 of 189		Datasheet for Domestic Regulator	Inlet pressure should be 0.5 -6 Bar to get the desired Set pressure	Refer to Reply No. 16
3	Sec. VI	169,171,173 of 189		Datasheet of Domestic, Service, Commercial Regulator (200 SCMH/110 mbar, 90 SCMH/500 mbar, 65 SCMH/1 bar, 90 SCMH/1 bar)	These regulators should be single stage	Refer to reply No.: 37 & 38
4	Sec. VI	169,171,173 of 189		Datasheet of Domestic, Service, Commercial Regulator (2.5 SCMH/21 mbar, 10 to 100 SCMH/ 110 mbar, 10 to 65 SCMH/300 mbar, 10 to 65 SCMH/ 500 mbar)	These Regulators should be double stage	Refer to reply No.: 37
5	Sec. VI	169,171,173 of 189		Accuracy of Domestic, Service, Commercial Regulator	Getting the 2 different accuracy i.e 10 & 2.5 which are contradictory itself & it should be AC 10	Bidder understanding is correct. And Point No 4 of Notes may be read AC10 instead of 2.5% of set pressure.
6	Sec. VI	171 of 189		Datasheet of Service Regulator	End Connection of 25,45 & 65 SCMH:- Outlet end connection of these regulators should be 1" END Connection of 100 & 200 SCMH:- End connection of these regulators should be 2"	For End Connection of 25, 40, & 65 SCMH, please refer reply point No. 25. And End Connection of 100 & 200 SCMH are 2" NPT (Female loose nut with suitable washers). Rest Tender data sheet prevails.
7	Sec. VI	173 of 189		Datasheet of Commercial Regulators	These are small sized regulators and should be in threaded connection instead of Flanged connection. Kindly confirm	bidder understanding is correct
8	Sec. VI	169,171,173, of 189		Datasheet of Domestic, Service, Commercial Regulator	CRV should be 30% higher than set pressure. Further OPSO should be 30% higher than CRV set point to avoid frequent Tripping	OPSO, CRV, and UPSO of the Regulator shall be specified by Vendor as same is mentioned in datasheet with '*' mark and the values mentioned are for reference only
9	Sec. VI	169,171,173 of 189		Datasheet of Domestic, Service, Commercial Regulator	Tag Plate SS316- Serial nos and other details engraved by laser on the Regulator Body. kindly accept the same	Refer to reply point no. 12
10	Sec.-I	7 of 189	i	DUE DATE & TIME OF BID-SUBMISSION 26-03-2025	We understand that bidder has to submit the physical tender to RSGL Jaipur office. Kindly confirm Also bidder requesting to extend the due date for submission of at least 10 workign days after issuance of query replies.	Bidder understanding regarding the submission of bid is correct. Fo bid due date, Tender Condition's shall prevails , However please keep track RSGL website for further updates.

11	Sec-I	6 of 189	E	The delivery period shall be 12 weeks from the date of instruction/intimation by EIC and not completing the delivery with in 12 weeks date of instruction/intimation by EIC will be subjected to Price Reduction Schedule (PRS).	Bidder requesting for delivery period of atleast 16 weeks considering manufacturing, testing, inspection and transportation of regulators. Also bidder requesting to take the Delivery in Single Lot only as quantities are very less	Tender Condition's shall prevails
12	Sec-VI	161/162 of 189	4.1	Name Plate: Certification; Body and port sizes in inches; Stem travel in millimeters Regulation upstream / downstream Nominal end connection size in inches and rating in lbs Area Classification Standard for body / trim materials	Bidder requesting to kindly remove the requirement of Marking of following Terms on SS Tag Plate as these are not relevant to Regulator. Certification; Body and port sizes in inches; Stem travel in millimeters Regulation upstream / downstream Nominal end connection size in inches and rating in lbs Area Classification Standard for body / trim materials However there would be permanent Laser Marking on each Regulator comprises of the below mentioned Details: Type, Flow, Inlet Pressure, Outlet Pressure, Set Points of OPSO, UPSO, CRV, Month and Year of Manufacturing, Unique Serial No, Make & Flow Direction on Body as Cast.	Bidder's requesting shall be considered, However, it meet of all performance criteria and sefty fetures in specified in Tender condtions
13	Sec-VI	166 of 189	9.1	Documentation Required with Technical Bid	The List of documents provided in Tender is very Wide, bidder requesting to kindly accept the submission of following documents: Datasheet, Catalogue, QAP, Type Approval Certificates	Noted, As per Manufaturer standard
14	Sec-VI	167 of 189	9.2	Documentation Required for Approval	The List of documents provided in Tender is very Wide, bidder requesting to kindly accept the submission of following documents: Datasheet, QAP, Marking Details	Noted, As per Manufaturer standard
15	Datasheet for Domestic Regulator	169 of 189	3	Governing Standard	Governing Standard for Regulators will be as per below: 1. For Inlet pressure upto 500mbar - EN88-1 2. For Inlet pressure 500mbar to 5 Bar - EN88-2, please confirm	Bidder's requesting shall be considered, However, it meet of all performance criteria and sefty fetures in specified in Tender condtions
16	Datasheet for Domestic Regulator	169 of 189	S.No. 1-Regulator inlet pressure	Datasheet for Domestic Regulator Sl No 1: Inlet Pressure: 0-6 Barg	The minimum inlet pressure should be 1 barg as 0 barg is practically not possible	Noted, Bidder may considered the same.
17	Datasheet for Domestic Regulator	169 of 189		Domestic Regulator Group A OPSO, UPSO, CRV	Please confirm the acceptance of below mentioend set ranges as per the industry standard OPSO: 34-42mbarg UPSO: 11-15 mbarg CRV : 26-31 mbarg	Refer to reply Point No.8

18	Datasheet for Domestic Regulator	169 of 189		Domestic Regulator Group B OPSO, UPSO, CRV	OPSO & CRV are not provided as per the design Standard for Meter Regulator and UPSO Set Range will be 10-16 mbar as per the industry standard, please confirm the acceptance of the same.	Refer to reply Point No.8
19	Datasheet for Domestic Regulator	169 of 189		Type of Regulator Group A	As per Industry Standard the Regulator should be Two Stage Direct Acting only as these regulators will be installed directly at Domestic End user and Two Stage Regulators provide better safety compare to single stage regulators.	Refer to Reply Point No 37 & 38
20	Datasheet for Domestic Regulator	169 of 189	17	End Connection	End Connections of Regulators will be as per below Please confirm the acceptance of the same. Group A: 3/4" X 3/4" NPT Female Loose Nut Group B: 3/4" X 3/4" NPT Female Fix Nut, we understand that supply of adapters is not envisaged in this tender	For Group A- Bidder understanding is correct. For Group-B - PleaseRefer to reply point No.: 6 & 25
21	Datasheet for Domestic Regulator	169 of 189	Notes: 2	Notes: 2. Tag plate (SS 316) stamped with instrument tag number and service in 10mm characters shall be attached via SS wire (1 mm).	SS Tag Plate would not be required for these type of regulators as the regulator will have permanent Laser Marking as per below: Type, Flow, Inlet Pressure, Outlet Pressure, Set Points of OPSO, UPSO, CRV, Month and Year of Manufacturing, Unique Serial No, Make & Flow Direction on Body as Cast Kindly confirm	Refer to Reply point No. 12
22	Datasheet for Domestic Regulator	169 of 189	Notes: 3	Notes: 3. Accuracy of pressure regulation shall be better than 2.5% of the set pressure for the entire inlet pressure and flow range.	In Serial No 23 of Datasheet Accuracy Class has been asked as AC10 while in Note No 4 it has been asked as AC2.5 which is contradictory. Bidder would like to highlight that AC2.5 is not possible in direct acting regulators hence please confirm the acceptance of AC10 as per industry Standard.	Refer to Reply Point No 27
23	Datasheet for Service Regulator	171 of 189	6	Connection Orientation Inlet and Outlet Connection at 90 Degree Orientation	Bidder requesting to kindly accept 180 Degree Orientation	Bidder's requesting shall be considered, However, it meet of all performance criteria and sefty fetures in specified in Tender condtions
24	Datasheet for Service Regulator	171 of 189	18	Type of Regulator Direct actuating with spring control & diaphragm with in-built pressure balance	As per Industry Standard the Regulator should be Two Stage Direct Acting only as these regulators will be installed directly in SRM and Two Stage Regulators provide better safety compare to single stage regulators.	Refer to Reply Point No 37 & 38

25	Datasheet for Service Regulator	171 of 189	20	End Connection 3/4"NPT(F) threaded as per ANSI / ASME B1.20.1	Bidder requesting to kindly accept the below mentioned End Connections: 1. 10 SCMH - 3/4" BSP Female Loose Nut X 1" BSP Female Loose Nut 2. 25 & 40 SCMH - 1" BSP Female Loose Nut X 1" BSP Female Loose Nut 3. 65 SCMH - 1" BSP Female Loose Nut X 1 1/2" BSP Female Loose Nut	Bidder's requesting shall be considered for Point No 1 & 2. However, for Point No.3 (65 SCMH Service Regulator) End connection is 1" BSP Female Loose Nut X 1.5" BSP Female Loose Nut.
26	Datasheet for Service Regulator	171 of 189	Notes: 2	Notes: 2. Tag plate (SS 316) stamped with instrument tag number and service in 10mm characters shall be attached via SS wire (1 mm).	SS Tag Plate would not be required for these type of regulators as the regulator will have permanent Laser Marking as per below: Type, Flow, Inlet Pressure, Outlet Pressure, Set Points of OPSO, UPSO, CRV, Month and Year of Manufacturing, Unique Serial No, Make & Flow Direction on Body as Cast Kindly confirm	Refer to reply Point No. 12
27	Datasheet for Service Regulator	171 of 189	Notes: 3	Notes: 3. Accuracy of pressure regulation shall be better than 2.5% of the set pressure for the entire inlet pressure and flow range.	In Serial No 23 of Datasheet Accuracy Class has been asked as AC10 while in Note No 4 it has been asked as AC2.5 which is contradictory. Bidder would like to highlight that AC2.5 is not possible in direct acting regulators hence please confirm the acceptance of AC10 as per industry Standard.	Bidder understanding is correct. And Point No 4 of Notes may be read AC10 instead of 2.5% of set pressure.
28	Datasheet for Service Regulator	171 of 189		OPSO, UPSO, CRV	Please confirm the acceptance of below mentioned set ranges as per the industry standard OPSO: 160-180 mbarg USPO: 40-60 mbarg CRV : 135-150 mbarg	Refer to reply Point No.8
29	Datasheet for Commercial Regulator	173 of 189	15	Type of Regulator Direct actuating with spring control & diaphragm with in-built pressure balance	As per Industry Standard the Regulator should be Two Stage Direct Acting only as these regulators will be installed directly in SRM and Two Stage Regulators provide better safety compare to single stage regulators.	Refer to Reply Point No 37 & 38
30	Datasheet for Commercial Regulator	173 of 189		End Connection 1" X 1.5", 150# Flanged	Bidder requesting to kindly accept the End Connections of 1" NPT Female Loose Nut X 1.5" NPT Female Loose Nut.	Bidder's requesting shall be considered, However, it meet of all performance criteria and safety features in specified in Tender conditions
31	Datasheet for Commercial Regulator	173 of 189	Notes: 2	Notes: 2. Tag plate (SS 316) stamped with instrument tag number and service in 10mm characters shall be attached via SS wire (1 mm).	SS Tag Plate would not be required for these type of regulators as the regulator will have permanent Laser Marking as per below: Type, Flow, Inlet Pressure, Outlet Pressure, Set Points of OPSO, UPSO, CRV, Month and Year of Manufacturing, Unique Serial No, Make & Flow Direction on Body as Cast Kindly confirm	Refer to Reply Point No 12

32	Datasheet for Commercial Regulator	173 of 189	Notes: 4	Notes: 4. Accuracy of pressure regulation shall be better than 2.5% of the set pressure for the entire inlet pressure and flow range.	In Serial No 23 of Datasheet Accuracy Class has been asked as AC10 while in Note No 4 it has been asked as AC2.5 which is contradictory. Bidder would like to highlight that AC2.5 is not possible in direct acting regulators hence please confirm the acceptance of AC10 as per industry Standard.	Refer to reply point No. 27
33	Datasheet for Commercial Regulator	173 of 189		OPSO, UPSO, CRV	Please confirm the acceptance of below mentioned set ranges as per the industry standard / last supply to RSGL For 300 mbar Regulators OPSO: 379-419 mbarg UPSO: 180-210 mbarg CRV : 348-378 mbarg For 500mbar Regulators OPSO: 635-695 mbarg UPSO: 305-345 mbarg CRV : 585-625 mbarg	Refer to reply Point No.8
34	Datasheet for Commercial Regulator	173 of 189		Minimum Inlet Pressure of Outlet pressure 1 bar	Minimum inlet pressure 1 Barg requirement for regulator with outlet pressure 1 bar (g) is contradictory. regulators requires some DP (Differential Pressure) to operate. Bidder requesting to accept the minimum inlet pressure of 2 bar(g) for Regulator with outlet pressure of 1 Barg. In any case the inlet pressure at site will not reach below 3 barg as DRS Outlet pressure is 4 Barg for Working Stream and 3.8 Barg for Standby Stream. Hence bidder requesting to accept the minimum inlet pressure of 2 Barg	Tender Condition's shall prevails
35	Annexure 1	180 of 189		Annexure 1 Serial No Pattern	Bidder requesting to accept the serial no pattern as per manufacturer standard and there would be permanent laser marking on regulators of Type, Flow, Inlet Pressure, Outlet Pressure, Set Points of OPSO, UPSO, CRV, Month and Year of Manufacturing, Make & Flow Direction on Body as Cast	Bidder understanding is correct, same can be accepted subject to meeting of all performance criteria and safety features in specified in Tender conditions
36		171 of 189		Datasheet for Domestic Regulator	Please provide separate Datasheets for Meter Regulator i.e. 100mbar to 21mbar and Domestic Regulators i.e. 4 Bar to 21mbar as both the products are different and having different applicable EN standards.	Tender Condition's shall prevails

37				<p>Type of Regulator for Domestic Regulator High Pressure, Service Regulator, Commercial Regulator</p>	<p>Bidder highly recommending to allow only Double Stage Regulators for Domestic / Service / Commercial Regulators having inlet pressure of 4 bar due to safety measures as against single stage regulators and all the CGDs companies are buying These Type of Regulators in double stage version only.</p> <p>In Double stage regulators pressure reduction occurs in Two Stages i.e. in 1st Stage inlet pressure of 4 barg will be reduced to approx. < 500 / 800mbar and in 2nd Stage inlet pressure of ~500 / 800mbar will be reduced to 21mbar / 100/300/500mbar in case of failure of 2nd stage regulator <500/800 mbar pressure will go to the pipeline. while in single stage regulators pressure reduction occurs in one stage only i.e. 4 barg pressure reduced to 21/100/300/500mbar, in case of failure of regulator 4 barg pressure will directly go to the PE pipeline and Meter Regulator installed in Domestic End user premises which will create a major safety hazard.</p> <p>Hence bidder requesting to allow only Double Stage Regulators for Domestic / Service / Commercial having inlet pressure of 4 Barg.</p>	<p>Bidder Understanding is correct</p>
38				<p>Type of Regulator for Service & Commercial Regulator</p>	<p>Bidder requesting to accept single stage regulators for regulators with outlet pressure of 1 Bar and double stage regulator for 110 mbar, 300 mbar and 500 mbar.</p>	<p>Bidder Understanding is correct</p>

39	Datasheet for Domestic Regulator, SR. NO. 2 (Sor Item No. B1)	Page No.169 of 189		RSGL Requirements OPSC & CRV	<p>We state that Meter Regulators is always supplied with inbuilt Under Pressure Shut Off device and doesn't have Over Pressure Shut off & CRV arrangement due to its low inlet pressure and even your technical data sheet also asking only for UPSO and not OPSO & CRV. As per Datasheet page no. PAGE NO. 169 of 189, SR. NO. 2</p> <p>This is Fail to Close type of Regulator . Over pressure shut-off & CRV Not required for Fail to close type . Over Pressure Shut Off device is applicable for high inlet pressure regulators like Domestic Regulators(High Pressure) , Service and Commercial Regulators (Inlet 4.0 bar to Outlet 21 mbar / 100 mbar having inlet pressure range in between 0.5 bar to 6 bar and not for Meter Regulators having inlet operating pressure of only 100 mbar and design pressure of 350 mbar. We request , Kindly remove the point of OPSO&CRV in Meter Regulator (100 mbar to 21 mbar)</p>	Refer to reply Point No.8
40	Datasheet for Domestic Regulator,	PAGE NO. 169 of 189		RSGL Requirement Set point of OPSC: 27.3mbar , UPSC: 13.65 mbar & CRV: 25.2 mbar	<p>Mentioned Regulator accuracy class AC10 & closing pressure SG20 . So, how it possible OPSC: 27.3mbar , UPSC: 13.65 mbar & CRV: 25.2 mbar. We will provide , OPSC: 38±3mbar , UPSC: 13±2mbar mbar & CRV: 33±2mbar . Generally every CGD takes these parameters . Kindly clarify .</p>	Refer to reply Point No.8
41	Datasheet for Domestic Regulator, SR. NO. 1 (Sor Item No. A1)	PAGE NO. 169 of 189		RSGL Requirement End connection 3/4" NPT	<p>As we understand, RSGL requires end connection of Inlet & outlet 3/4" X 3/4" Free Loose Nut . Generally every CGD takes end connection of Inlet 1/2" & Outlet 3/4" Free Loose Nut . Kindly clarify inlet & outlet connection .</p>	Refer to Reply No. 6,20, & 25
42	Datasheet for Service Regulator, SR. NO. 1,2,5&6 (Sor Item No. C3,C4,C5 &C6)	PAGE NO. 171 of 189		RSGL Requirement End connection C3,C4,C5 &C6 : 3/4" NPT	<p>C3,C4,C5 &C6 Inlet connection 3/4" NPT not in issue But if the outlet has 3/4" NPT thread then flow will not be achieved . C3 should have minimum 1", C4 should have 1 ¼" or 1.5" or Additional 1" reducer , C5 should have 1.5" & C6 should have 1.5 or 2".</p>	Refer to Reply No. 6,20, & 25
43	Datasheet for Service Regulator, SR. NO. 6 (Sor Item No. C6)	PAGE NO. 171 of 189,		RSGL Requirement End connection C3,C4,C5 & C6 : 3/4" NPT	<p>C6 Regulator Service Regulator , Inlet Pressure 1-6 bar , Outlet Pr. 110mbar , Flow 200 SCMH Double Stage Regulator not possible . Will you accept single stage regulator . Kindly clarify .</p>	Refer to Reply Point No. 37 & 38
44	Datasheet for Commercial Regulator, SR. NO. 1 TO 9 (Sor Item No. D1 TO D9)	PAGE NO. 173 of 189		RSGL Requirement End connection 1" X 1.5", 150# Flanged	<p>We will provide 1" X 1.5" Screw type Thread or Free loose Nut with Rubber gasket/Washer Kindly clarify .</p>	Refer to Reply No. 6,20, & 25