



A Joint Venture of Andhra Pradesh Gas Distribution Corporation Ltd. and
Hindustan Petroleum Corporation Ltd

CORRIGENDUM - 01

Date: 17.12.2025

Tender Document No: GGPL/C&P/PR 1000013/2025-26/06 dated 05.12.2025

**Subject: Tender for Procurement of 12 No's 400 SCMH Electric Motor Driven CNG
Booster Compressors along with 5 years of AMC post warranty period.**

The following modifications to the subject tender is hereby authorized

S. No.	Description	Page No. / Clause No.	Amendment/Addition/ Modification
1	REPLIES TO BIDDERS QUERIES	-	As per Annexure-I of this document
2	REVISED TECHNICAL SPECIFICATIONS	-	As per Annexure-II of this document

All other terms and conditions of tender document remain unchanged

Authorized Signatory

REPLIES TO THE QUERIES

Sl. No.	REFERENCE OF BIDDING DOCUMENT				BIDDER'S QUERY	GGPL'S REPLY
	SEC. NO.	Page No.	Clause No.	Subject		
1	V	29 of 137	6.11	Bidder has to provide UPS (230±5%V, 50±1%Hz) for control supply requirement at single point (Control Panel). Supply of suitable UPS considering load of 02 CNG dispensers along with 01 hour back up is in the scope of the bidder	This is additional scope of work and will have commercial impact on the prices of package. Kindly exclude it from the scope of supply	Tender conditions prevail
2	V	91 of 137	Annexure VI	Recommended Vendor List: SS TUBING	Kindly Approve M/s Jindal Saw as It is approved by many CGD companies like Gail, HPCL, BPCL etc.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
3	V	24 of 137	4.2	a) FLP motors Main incoming Power cable from	Kindly confirm the length of cable to be considered with each package.	Bidder is requested to consider the cable length in

				owners Power Distribution Board (PDB) to main control panel of the compressor through heavy duty GI conduit or trenches		line with the general requirement of co-located CNG stations at MS/HSD retail outlets.
4	II	18 of 160	F	Further, bidder shall submit Details of Financial Capability of Bidder for preceding financial year as per Format F-16 duly attested by Chartered Accountant / Certified Public Accountant (CPA).	Please note, since our standard financial capabilities will be provided on CA letter head, a certificate i.e. F-16 is not envisaged and not required to provide by CA. We would like to inform you that our company is listed in BSE and our annual reports are available in BSE website. (https://www.bseindia.com/stock-share-price/kirloskar-pneumatic-cold/kirlpnu/505283/), hence providing F-10 is not envisaged. Kindly confirm.	Tender conditions prevail
5	IV	151 of 160	26.1.1	Price Reduction Schedule for Delayed Delivery	Please note that reduction should be on undelivered portion and that of 0.5% to max 5% per week on individual delivery order value and not on the total order value. Also, please note this is applicable to only supply price. In case the delivery order is for both supply and AMC service then only for supply of package should be applicable and AMC service value shall not be considered for reduction.	Tender conditions prevail
6	IV	159 of 160	39.1	PURCHASER reserves the right, within 6 months of order to place repeat order	Repeat order is acceptable on the basis of mutual consent between the Client & the Bidder.	Tender conditions prevail

				upto 50% of the total order value without any change in unit price or other terms and conditions		
7	General			<p>Please confirm the contract validity period and the delivery schedule: In Volume I of II (page 5 of 160), the delivery period is stated as 12 months, whereas in Volume II of II (page 128 of 137) the contract validity period is stated as 18 months. Kindly confirm the correct duration.</p> <p>Please confirm whether the 12 compressor packages are to be delivered in a single lot or in multiple lots. If they are to be delivered in multiple lots, please clarify the interval between lots and the quantity of compressors in each lot.</p>	Refer Annexure-II of this document	
8	VI	22 of 137	4.3	1 nos. mass flow meter to measure the Natural Gas consumption at packages discharge	According to this clause, the mass flow meter is required only at the compressor discharge. However, Clause 10.10.15 on page 47 of 137 specifies that mass flow meters are required at both the suction and discharge of the compressor. Please clarify.	Refer Annexure-II of this document
9	VI	26 of 137	4.29	Hose will be installed with a ¾” OD Three Way Ball Valve	The use of a 3-way ball valve in the LCV gas unloading post is not recommended, as we have observed icing at the valve due to its lower Cv value. This icing obstructs gas flow, which in turn leads to compressor starvation. Therefore, we recommend using	Tender conditions prevail

					a 3-way SS block or a combination of 2-way valves instead. Kindly consider	
10	VI	27 of 137	5.2	Silencer has to be provided in the starting air vent line	For a hydraulic booster compressor, air is not required for starting and hence silencer and vent lines for the same are not applicable. Please confirm.	Tender conditions prevail
11	VI	32 of 137	8.h	Relief valves shall be provided at suction and discharge and each inter stages of compressor	A relief valve is not required at the compressor suction, as the inlet is supplied from the mobile storage cascade, which is already equipped with a relief valve, and the suction pressure continuously decreases. However, we will provide relief valves at the interstage and at the compressor discharge in accordance with the OEM's standard design	Tender conditions prevail, bidder to clarify that as an additional safety measures & bidder has to comply with the requirement.
12	VI	35 of 137	8.1 p	Piping of CO2 flooding system shall be seamless high-pressure pipe of Schedule 40 of 50 mm dia.	Considering the volume of the compressor enclosure, a 25 mm diameter pipe will be sufficient for the purpose. Kindly accept	Tender conditions prevail
13	VI	43 of 137	10.2	PG shall be Direct-mounting type having element of bourdon tube and dial size of 150 mm	As per OEM standard design we provide pressure gauges of panel mounting type for better visibility and the dial size is 4". Please accept.	Refer Annexure-II of this document
14	VI	43 of 137	10.5	RTDs are 4 wire type	We recommend a 3-wire type RTD since it serves the purpose. Kindly accept.	Tender conditions prevail

15	VI	45 of 137	10.10.2	PLC CPU shall be redundant (1 W+1S) with auto switch over without manual intervene.	Considering the service network and operational criticality, a redundant CPU is not required. Any breakdowns or maintenance issues are typically addressed within a few hours. System redundancy is generally implemented to minimize operational downtime; however, in the case of a hydraulic booster, it can be omitted given the associated additional cost.	Tender conditions prevail
16	VI	47 of 137	10.10.15 c	Pressure gauge & temperature gauge at each stage of compressor	In a hydraulic booster compressor, unlike an online reciprocating compressor, gas compression occurs simultaneously at both stages regardless of the pressure levels and is primarily dependent on the gas volume. Therefore, measuring interstage pressure is not advisable, as the readings fluctuate and do not provide meaningful information.	Tender conditions prevail
17	VI	65 of 137	Annexure - I	Guaranteed Parameters	The air compressor is used solely to meet intermittent pneumatic requirements, and it also serves the pneumatic needs of the dispenser. Therefore, the electrical power consumption considered for loading and penalty calculations should exclude the air compressor. Please consider.	Tender conditions prevail
18	VI	73 of 137	Annexure-III H	ACCESSORIES Anti-condensation Heaters	An anti-condensation heater is not required for a motor with rating 22kW. Please accept.	Tender conditions prevail

19	VI	86 of 137	Annexure - VI	SUCTION & DISCHARGE FILTER	Please consider M/s. Delta Filters	Tender conditions prevail
20	VI	89 of 137	Annexure - VI	FLAME DETECTOR	Please consider M/s. Pollution Protection Systems	Tender conditions prevail
21	VI	89 of 137	Annexure - VI	GAS DETECTOR	Please consider M/s. Pollution Protection Systems	Tender conditions prevail
22	VI	91 of 137	Annexure - VI	SS TUBING	Please consider M/s. Jindal Saw LTD.	Tender conditions prevail
23	VI	91 of 137	Annexure - VI	FLP SWITCH	Please consider M/s. Sudhir Switchgears Pvt. Ltd.	Tender conditions prevail
24	VI	92 of 137	Annexure - VI	PRESSURE TRANSMITTERS	Please consider M/s. Huba Control	Tender conditions prevail
25	VI	113 of 137	Annexure - XII	Hydrotest of Cylinder, Cylinder Heads, Press. Vessels, Heat Exchangers	As per standard practice, the TPIA will review the hydrotest documents, as the hydrotests are conducted earlier during the production phase. Please accept	Tender conditions prevail
26	VI	113 of 137	Annexure - XII	Canopy Structure Painting Inspection at Works. Surface Preparation to be Inspected after cleaning and before application of First Coat of Primer.	Since the canopy fabrication, painting, and related activities are completed as per a pre-scheduled earlier phase, kindly accept the TPIA's review.	Tender conditions prevail

27	VI	113 of 137	Annexure - XII	Functional / HV / Continuity Test for Control Panel (at Sub Vendor's Works)	Since these tests are conducted at the sub-vendor's facility, please accept a TPIA review in place of a witness inspection.	Tender conditions prevail
28	VI	91 OF 137	ITEM CODE DESCRIPTION	SS TUBING	You are requested to add JINDAL SAW LTD for SS Tubing in approved vendor list. JINDAL SAW LTD make is approved in all other prominent CGD companies like HPCL, BPCL, GAIL INDIA, IOCL etc.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
29	VI	89 OF 137	ITEM CODE DESCRIPTION	GAS DETECTOR (IR TYPE)	You are requested to add Ambetronics make GAS DETECTOR (IR TYPE). It is approved in all other prominent CGD companies like HPCL, BPCL, GAIL INDIA, IOCL etc.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record.
30	VI	43 of 137	10.2	PG shall be Direct- mounting type having element of bourdon tube and dial size of 150 mm	You are requested to change the size of PG from 150 mm to 63 mm as it is more cost effective and efficient for maintenance. It is approved in all other prominent CGD companies like HPCL, BPCL, GAIL INDIA, IOCL etc.	Refer Annexure-II of this document

31	VI	12 OF 137	2.27.iii	Bidder has to supply the PLC based machine with Internet of Things (IoT) capabilities to access the data through cloud.	We are requested to clarify who will pay the cloud data charges annually, as the IoT system handling is a part of operation and operation is not in the scope of Bidder	As the tender floated with 5 years of AMC all the applicable charges are included in the scope of bidder
32	VI	12 OF 137	2.27	Bidder has to supply the PLC based machine with Internet of Things (IoT) capabilities to access the data through cloud. Bidder has to consider all necessary requirements completely in his scope to run the compressor package on IoT system	Kindly confirm whether the purchaser requires only PLC and HMI with IoT compatibility or they also require complete IoT configuration, including data transmission and login credentials to access the cloud server from bidder?	Tender conditions prevail. Refer clause no:2.27(III) in volume II of II.
33	VI	23 of 137	4.0	4.8 Block & bleed valves/Two valve SS316 Manifold to be provided for Pressure gauges and pressure Transmitters.	Using a block and bleed valve with the pressure transmitter can put the entire system at risk, as all pressure inputs will be received from the PT. Please consider that block and bleed valves should only be used with pressure gauges	Tender conditions Prevail
34	VI	26 of 137	4.0	4.29 Hose will be installed with a ¾" OD Three Way Ball Valve. Bidder to select end connection of Hose accordingly.	Please consider as per OEM design, we are using 2-way valve with ¾" tube OD and using separate needle valve for venting.	Tender conditions Prevail

35	VI	27 of 137	5.0	5.1 All customer interface connections (i.e. Gas inlet & gas outlet) shall be brought out to the package edge. Gas inlet shall be terminated in nozzles with isolation valves having flange connections and gas outlet (priority panel outlet connection) shall be terminated through high pressure ¾" full flow ball valves with ¾" end connectors.	Bidder is informing that as per standard design philosophy kindly consider tube OD isolation valve connection and gas outlet shall be terminated through high pressure 1/2" tube full flow ball valve with 3/4" tube OD end connector. Kindly provide your acceptance for the same.	Tender conditions Prevail
36	VI	28 of 137	6.0	6.1 Bidder to provide Instrument air with an electric motor driven air compressor with a suitably sized receiver & Refrigerant/ Heatless type air drier system. The instrumentation air shall also be used for 02 CNG Dispensers if required. Hence the system to be designed considering the same. 6.2 Air Compressor with discharge pressure of 10 kg/cm2 suitable for 1.5 KW electric motor rating with dryer shall be supplied by the bidder.	Please note that our boosters utilize electromagnetic valves PESO approved. Kindly include both electromagnetic valve and pneumatic actuated valve in this clause for using 2-way valve condition. Many CGD companies already approved and functionally use electromagnet valve, we can provide PTR during the designing phase and not require air compressor for operate to pneumatic actuated ball valve.	Tender conditions Prevail

37	VI	37 of 137	9.14	<ul style="list-style-type: none"> • All fittings and tubes used in priority system shall be of stainless steel of suitable pressure rating. End connections shall be 3/4" size pipe OD. 	Bidder is requesting kindly accept as per OEM design, end connection shall be provided with 3/4" tube OD	Tender conditions Prevail
38	VI	43 of 137	10.0	<p>10.2 PG shall be Direct-mounting type having element of bourdon tube and dial size of 150 mm. It shall have shatterproof glass. Connection shall be 1/2" NPT (M) from bottom. Enclosure shall be weatherproof to IP65. Protection shall be 130% over range. Accuracy shall be $\pm 1\%$ of FSD. PG shall have blown out disc facility. For higher pressure applications (above 60 Barg), it shall be solid front type. Pressure gauge dial shall be white, non-rusting plastic with black figures. The dial face shall be marked with pressure element material. Pointers shall have micrometer adjustment. Pressure gauge sensing element shall be of SS 316 and moving elements of SS 304, as a minimum.</p>	Bidder is requesting kindly accept 100mm dial size of PG.	Refer Annexure-II of this document

39	VI	43 of 137	10.0	10.5 RTDs are 4 wire type and element shall be Pt100 as per DIN 43760 & accuracy class A and thermo well's immersion length shall be suitable for the line size. All RTDs shall have duplex elements. RTDs sheath OD shall be 8 mm and material SS 316. Cable entry shall be ½" NPT (F). Enclosure shall be WP to IP-65. All RTD shall be supplied with flange or socket welded type	Bidder is informing that 4-wire RTD is not needed because the wire length use is short. 3-wire RTD is enough for this application, as there is no significant temperature variation. Kindly consider the same.	Tender conditions Prevail
40	VI	45 of 137	10.10	10.10.2 PLC shall be of modular in construction, rack for mounting cards, CPU, Input output cards, Power supply card, communication card. PLC CPU shall be redundant (1 W+1S) with auto switch over without manual intervene. Failure alarm of CPU shall be provided in HMI and same shall be repeated in PLC for remote monitoring	Kindly consider single PLC and one PLC supply in loose with each booster if any failure then service team will replace from spare PLC.	Tender conditions Prevail
41	VI	47 of 137	10.10	10.10.15 /e) MFM at suction & discharge	As per clause no. 4.3 mentioned one MFM require only in discharge line. Kindly clear your requirement.	Refer Annexure-II of this document

42	VI	89 of 137	IR Gas detectors	DETRONICS SENSITRON HONEYWELL NET SAFETY GENERAL MONITORS/ MSA CROWON SIEGER ESP SAFETY DRAGGER	Bidder is requesting kindly accept Peso approved Ambetronics & POLLUTION PROTECTION SYSTEM make GD. This make is already approved in many CGD companies. Kindly approved the same.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
43	VI	91 of 137	SS tubing	SANDVIK FAE TUBACEX (SCHOELLER-BLECKMNN) PARKER RATNAMANI	Bidder is requesting kindly accept Jindal make for SS tubing. This make is already approved in many CGD companies. Kindly approved the same.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
44	VI	84 of 137	Coalescent filter	ASEA BROWN BOVERI LTD. BLUE STAR LTD PLACKA INSTRUMENTS & CONTROLS PVT. LTD SHAH PNEUMATICS SHAVO NORGREN (I) PVT. LTD V AUTOMAT & INSTRUMENTS PVT. LTD. VELJAN HYDRAIR PVT.	Bidder is requesting kindly accept OEM/TGT make filter. We will submit PTR and Test Certification during detail engineering. OEM make is already approved in many CGD companies. Kindly approved the same.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record

				LTD. COMPAC NEWZEALAND		
45	VI	86 of 137	Suction & Discharge Filter	BEKO FILTER ULTRA FILTER PARKER FILTRATION TECHNIQUE	Bidder is requesting kindly accept OEM/TGT make filter. We will submit PTR and Test Certification during detail engineering. OEM make is already approved in many CGD companies. Kindly approved the same.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
46	VI	93 of 137	ON/OFF ball & Needle valve	PARKER SWAGELOK ABAC SPIRAX SARCO WORCESTER WAREE BAUMER STAUFF SSP L&T SANKEY CONTROLS ROTEX AUDCO	Bidder is requesting kindly accept DK Lok/Hylok make Valves. This make is already approved in many CGD companies. Kindly approved the same.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
47	VI	118 of 137	Preferred makes	SS Tubes: Sandwik, Tubacex, FAE, Parker, Ratnamani	Bidder requests to approve Jindal Saw Tubes, which is approved in all major CGDs	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review

						and will be subject to approval by Owner/Owners representative based on past track record
48	VI	118 of 137	Preferred makes	GAS DETECTOR (IR TYPE): DETRONICS, SENSITRON, HONEYWELL, NET SAFETY, GENERAL MONITORS/ MSA CROWON, SIEGER, ESP SAFETY, DRAGGER	Bidder requests to approve Ambetronics, approved in all major CGDs	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
49	VI	118 of 137	Preferred makes	On off ball/needle valve: PARKER, SWAGELOK, ABAC, SPIRAX SARCO, WORCESTER, WAREE, BAUMER, STAUFF, SSP, L&T, SANKEY CONTROLS, ROTEX, AUDCO	Bidder requests to approve DK LOK, approved in all major CGDs	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review and will be subject to approval by Owner/Owners representative based on past track record
50	VI	18 of 137	3.2	API-11P, Second edition, API618	API-11P, second edition, API618: These standards are not applicable for hydraulic booster's compressors, this clause is applicable for online reciprocating compressors.	Tender conditions prevail.

51	VI	25 of 137	4.23	One no. relief valve at each stage discharge, first (1st) stage suction.	*As both first and second stages of the intensifier are designed for operating pressure of 250 bar and there is no isolation between the stages, relief valve at first stage is not required. We will provide SRV at discharge. (second stage)	Tender conditions prevail. Bidder to note that this is sought as an additional safety measures & bidder has to comply with the requirement.
52	VI	53 of 137	12.0	All Coolers, Cooling System, lubrication system along with interconnecting piping shall be inside an enclosure.	* Lubrication system not required for booster compressor, this clause is applicable for online reciprocating compressors.	Tender conditions prevail. Package shall comprise of all applicable systems
53	VI	47 of 137	10.10.15	Compressor package shall be provided with the following indicators: a) Pressure transmitter and pressure gauge at suction, discharge, cascade bank distribution header. b) Pressure transmitter at high bank line c) Pressure gauge & temperature gauge at each stage of compressor d) Temperature transmitter at discharge.	* 1 no suction and 1 no's discharge PT and PG will suffice the automatic operation of Priority panel. * PT & PG at Low Bank and Medium Bank will not have any role in operation of Priority panel, thus not required.	Tender conditions prevail.
54	VI	89 of 137	Annexure - VI	Gas Detector	Kindly permit the Ambetronics make Gas Detector. As it is approved vendor across the various CGD clients.	Tender condition prevails. Accordingly, acceptance of any other vendor(s) apart from those mentioned in recommended vendor list shall be taken up for review

						and will be subject to approval by Owner/Owners representative based on past track record
55	General				Request you to please mentioned which Wages (Central/state wages) to be followed along the area/city classification area.	Central wages only

REVISED TECHNICAL SPECIFICATIONS

Sl. No.	Section	Page No	Tender Clause No	Original tender condition	Revised Tender condition
1	Vol II of II	128 of 137	18	The contract shall be valid for a period of 18 months from the date of issuance of LOI/PO.	The contract shall be valid for a period of 12 months from the date of issuance of LOI/PO.
2	Vol II of II	43 of 137	10.2	PG shall be Direct-mounting type having element of bourdon tube and dial size of 150 mm. It shall have shatterproof glass. Connection shall be ½” NPT (M) from bottom. Enclosure shall be weatherproof to IP65. Protection shall be 130% over range. Accuracy shall be ±1% of FSD. PG shall have blown out disc facility. For higher pressure applications (above 60 Barg), it shall be solid front type. Pressure gauge dial shall be white, non-rusting plastic with black figures. The dial face shall be marked with pressure element material. Pointers shall have micrometer adjustment. Pressure gauge sensing element shall be of SS 316 and moving elements of SS 304, as a minimum.	PG shall be Direct-mounting type having element of bourdon tube and dial size of 100 mm. It shall have shatterproof glass. Connection shall be ½” NPT (M) from bottom. Enclosure shall be weatherproof to IP65. Protection shall be 130% over range. Accuracy shall be ±1% of FSD. PG shall have blown out disc facility. For higher pressure applications (above 60 Barg), it shall be solid front type. Pressure gauge dial shall be white, non-rusting plastic with black figures. The dial face shall be marked with pressure element material. Pointers shall have micrometer adjustment. Pressure gauge sensing element shall be of SS 316 and moving elements of SS 304, as a minimum.
3	Vol II of II	47 of 137	10.10.15 e	MFM at suction & discharge	MFM at discharge

4	Vol II of II	94 of 137	Notes 1	Above vendor list is indicative only and any other vendor(s) apart from as mentioned above may be accepted subject to approval by Owner/Owners representative based on past track record.	Above vendor list is indicative only and any other vendor(s) apart from as mentioned above may be accepted subject to approval by Owner/Owners representative based on past track record of at least 05 years.
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