

REPLY TO PRE BID QUERIES DATED:10.07.2025				
ANNUAL RATE CONTRACT FOR SUPPLY OF 250 SCMH and 400/450SCMH BOOSTER COMPRESSOR AT NAGALAND GA				
Tender No.: HOGPL/2025-26/C&P/007 Date: 26.06.2025				
Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
1	Section II: SCOPE OF WORK Technical Volume		Kindly confirm the distances with reference to cabling and tubing, as a part of the bidder's scope: 1. Between Compressor package and air compressor/dryer required for actuation . 2. Between Compressor package and CO2 Flooding system. 3. Between Compressor package and the electrical room. 4. Between Compressor package and LCV Post. 5. Between Compressor package and each ESD.	1) Between Compressor package and air compressor/dryer required for actuation .: 8-10 Mtr 2)Between Compressor package and CO2 Flooding system. :5-6 mtr 3) Between Compressor package and LCV Post.: 5-6Mtr 4) Between Compressor package and each ESD.: 10-15 mtr 5) Between Compressor package and the electrical room.: 10-15 Mtr Distances can be varies as per site conditions
2	Clause No. 4.0. CODES & STANDARDS Technical Volume	API – 661: Specifications for Air cooled exchangers	API-661 Code is applicable for Air Cooled Heat Exchanger for Online Compressor and Process Gas Packages. Considering the compact nature of the Booster Package and Variable Inlet Pressure design, Air Cooled Heat Exchangers shall be as per Manufacturer's Standard. Air Cooled Exchangers manufactured as per API-661 will not be able to be assembled within Package Footprint size as mentioned in the Tender. Bidder has supplied substantial package with similar configuration to major CGD Clients and has been in successful operation to complete satisfaction of the End users. Request HP-OIL to confirm the same.	Agreed with Bidder recommendation
3	Clause No. 4.0. CODES & STANDARDS Technical Volume	SAE J 514-Standard for CNG hydraulic tube fittings and O-ring	SAE J 514 Standard shall only be applicable for Flange and O-ring design of Hydraulic Intensifier and Hydraulic Pump. Other Hydraulic Instruments shall be as Manufacturer's Standard for Safety and Operation of the Package as per OEM Design. Bidder has supplied substantial package with similar configuration to major CGD Clients and has been in successful operation to complete satisfaction of the End users. Request to confirm the same	Agreed with Bidder recommendation. Bidder shall submit the Performance Test reprot & TPI report
4	Clause No. 5.1.2 BATTERY LIMITS Technical Volume	All customer interface connections, gas Inlet shall be brought out to the package edge and terminated with ¾ "OD SS-Tube.	As the outlet of the package in priority panel is divided into 6 lines, line size of 1/2" is enough to maintain the required gas velocity and flow. Also same is suggested by the Intensifier OEM with the second stage outlet connection port. So, Bidder suggests to provide package termination of 1/2" full flow Ball Valves with 1/2" x 3/4" end connectors for each cascade line. Request to confirm the same.	Tender Condition Prevails
5	Clause No. 5.1.2 BATTERY LIMITS Technical Volume	UPS and Non-UPS power shall be made available from power distribution board (PDB) in the electrical room. Supply, Erection and termination of all cables and accessories from feeder in electrical room (50 mtrs distance to be considered) shall be in the bidder's scope.	Request to share tentative distance between Electrical Room and Booster Compressor for estimation purpose.	Between Compressor package and the electrical room.: 10-15 Mtr Distances can be varies as per site conditions
6	Clause No. 10.0. GUARANTEED PARAMETERS Technical Volume	Specific power consumption of compressor package Kwh/Kg CNG (Penalty purpose) *	As per tender, Specific Power Consumption (kWh/kg CNG) is for penalty purpose only. Kindly confirm whether it is considered in price loading during evaluation or not.	Bidder to refer POWER LOADING described in Clause No. 10.0. (GUARANTEED PARAMETERS) of Technical Volume for Price Loading. Bidder to refer Clause No. 11.1 (Penalty Due to power consumption) of Technical Volume for Penalty Purpose.
7	Clause No. 9.02 of Section V: DATA SHEET OF LV INDUCTION MOTOR Technical Volume	Anti-condensation Heaters (power, Voltage)	Anti-Condensation is not required as Booster Compressor is intermittently operating Package and as per OEM design suitable Air Flow is maintained inside the Acoustic Enclosure avoiding the need for Anti-Condensation Heater for Motor. Request to confirm the same.	Agreed with Bidder recommendation.

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
8	Clause No. 1.5 of Section VI: TECHNICAL SPECIFICATION Technical Volume	Tubing and valves from LCV cascade and stationary cascade to compressor shall be ¾" SS 316 OD and other tubing and valves shall be minimum 1/2" size. End connections shall be 3/4" size pipe OD.	As per OEM recommendations and pressure drop calculation 1/2" OD tubes are suitable for the Priority Panel. However, we can provide expander at the package edge so as connect 3/4" OD SS tube. Request to confirm the same.	Tender Condition Prevails
9	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	8. FLP Motors a. ABB b. Compton Greaves c. Kirloskar d. Siemens e. Bharat Bijlee f. LHP	Kindly approve the following manufacturers for FLP Motors. The manufacturers are approved with all the CGD companies: M/s HEM	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
10	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	18.SS Fittings for CNG application a. M/s Swagelok (USA) b. M/s Parker (USA) c. M/s SSP, USA d. M/s. Dk LOK e. M/s. OEM make f. panam	Kindly approve the following manufacturers for Fittings . The manufacturers are approved with all the CGD companies: M/s Hy-Lok	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
11	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	20.On Off ball/needle valve for CNG application a. M/s Parker b. M/s Swagelok c. M/s. Dk LOK d. M/s. OEM Make	Kindly approve the following manufacturers for On Off ball/needle valve for CNG application . The manufacturers are approved with all the CGD companies: M/s Hy-Lok	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
12	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	23.Air exchanger a. GEI Hamon Ind Ltd. b. GEA India c. Patel Air temp	The parties mentioned as approved vendors for air/heat exchangers are either obsolete or our competitors. Kindly consider KAL proprietary (SN Make) make heat exchanger for the job. We have also attached the PTR for various CGD clients (HPCL and GAIL Gas) where we have supplied 14 nos. We have also supplied over 300 booster compressor units to 25 different CGD companies in India, which includes almost all the PSUs	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
13	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	2. Pressure Transmitter a. Druck b. Wika c. Honeywell d. ABB e. Rosmount	Request you to consider PESO approved WIKA & BAUMER make for Pressure Transmitter.	Wika ia already in the approved list, For Baumer Make Bidder has to Provide OEM Certificate along with other supporting documents i.e. TPI report along with Performatce Test Certificates
14	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	18.SS Fittings for CNG application a. M/s Swagelok (USA) b. M/s Parker (USA) c. M/s SSP, USA d. M/s. Dk LOK e. M/s. OEM make f. panam	Request you to consider M/s. BMT Superlock in SS Fittings for CNG application.	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
15	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	4. Pressure Safety Valve a. M/s BHEL, OFE & OE Group (New Delhi)/ b. M/s Keystone Valves (India) Pvt. Ltd. Baroda c. M/s Sevim Sarasin Valves India (P) Ltd. (New Delhi-Halol-Gujarat) d. M/s Tyco Sanmar Ltd. (New Delhi) e. M/s Parcol SPA, Italy f. M/s Sarasin, France g. M/s Tai Milano SPA, Italy h. M/s Fisher Rosemount (Now M/s Emerson Process) i. M.s. DK-LOK j. M/s. Faiger Leser	Kindly accept M/s. Nirmal Industries	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
16	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	15.IR Gas Detectors a. General Monitors b. Crowcon c. Honeywell d. Sieger e. Detronics f. Khrome Schroder g. Net safety. h. ESP Safety i. Ambetronics j. Drager Safety	Kindly accept M/s. Pollution Protection Systems Mumbai Pvt. Ltd.	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
17	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	16. UV Flame Detectors a. General Monitors b. Crowcon c. Honeywell d. Sieger e. Detronics f. Khrome Schroder g. Net safety. h. ESP Safety i. Ambetronics	Kindly accept M/s. Pollution Protection Systems Mumbai Pvt. Ltd.	Bidder to Provide PESO Certificate along with other supporting documents i.e. TPI report along with Performatce Test Report of 1000 Hrs of operations/cyclescertified by CGD company
18	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	17.SS Tubes for CNG application a. M/s Sandvik, Sweden b. M/s Tubacex c. M/s. BMT Superlock d. Jindal Saw	Kindly accept M/s. RATNAMANI	Bidder to Provide OEM Approved Certificates BIS & ISI Mark along with other supporting documents i.e. TPI report, along with Performatce Test Report duly certified by CGD company
19	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	17.SS Tubes for CNG application a. M/s Sandvik, Sweden b. M/s Tubacex c. M/s. BMT Superlock d. Jindal Saw	Kindly accept M/s. DAWSONS	Bidder to Provide OEM Approved Certificates BIS & ISI Mark along with other supporting documents i.e. TPI report, along with Performatce Test Report duly certified by CGD company
20	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	23.Air exchanger a. GEI Hamon Ind Ltd. b. GEA India c. Patel Air temp	The air-cooled heat exchanger is a proprietary design of the bidder and is not a readily available standard item on the market (not a brought out item). As the OEM of the compressor package, the bidder has supplied over 450 hydraulic booster compressor packages to the Indian CGD industry, all featuring our own designed air-cooled heat exchanger. We request that you accept the OEM make for air-cooled heat exchangers.	Bidder shall submit the Performance Test reprot & TPI report along with 1000 Hrs of operations/cycles
21	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	17.SS Tubes for CNG application a. M/s Sandvik, Sweden b. M/s Tubacex c. M/s. BMT Superlock d. Jindal Saw	Bidder requests to approve Ratnamani Tubes, which is approved in all major CGDs	Bidder to Provide OEM Approved Certificates BIS & ISI Mark along with other supporting documents i.e. TPI report, along with Performatce Test Report duly certified by CGD company
22	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	6. RTD a. M/s General Instruments Ltd. Mumbai b. M/s Nagman Sensors (Pvt.) Ltd. c. M/s Pyro Electric, Goa d. M/s Altop	Bidder is requesting kindly accept Baumer make RTD with Kayson Make FLP enclosure. This make is already approved in many CGD companies. Kindly approved the same.	For Baumer Make Bidder has to Provide OEM Certificate along with other supporting documents i.e. TPI report along with Performatce Test Certificates duly signed by CGD company

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
23	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	15.IR Gas Detectors a. General Monitors b. Crowcon c. Honeywell d. Sieger e. Detronics f. Khrome Schroder g. Net safety. h. ESP Safety i. Ambetronics j. Drager Safety	Kindly accept POLLUTION PROTECTION SYSTEM make GD. This make is already approved in many CGD companies. Kindly approved the same.	Bidder needs to submit approved PESO certificate along with TPI report & Performance Test reprot certified by CGD Company
24	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	16. UV Flame Detectors a. General Monitors b. Crowcon c. Honeywell d. Sieger e. Detronics f. Khrome Schroder g. Net safety. h. ESP Safety i. Ambetronics	Kindly accept POLLUTION PROTECTION SYSTEM make FD. This make is already approved in many CGD companies. Kindly approved the same.	Bidder needs to submit approved PESO certificate along with TPI report & Performance Test reprot certified by CGD Company
25	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	19.Solenoid Valve a. M/s ASCO b. M/s Rotex c. M/s Parker Hanifen	Bidder is requesting kindly consider Seitz make Solenoid Valve. This make is already approved in many CGD companies and also we can provide PESO approval for the same. Kindly approved the same.	Bidder needs to submit approved PESO certificate along with TPI report & Performance Test reprot certified by CGD Company
26	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	17.SS Tubes for CNG application a. M/s Sandvik, Sweden b. M/s Tubacex c. M/s. BMT Superlock d. Jindal Saw	Kindly approve Ratnamani tube.	Bidder to Provide OEM Approved Certificates BIS & ISI Mark along with other supporting documents i.e. TPI report, along with Performatce Test Report duly certified by CGD company
27	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	17.SS Tubes for CNG application a. M/s Sandvik, Sweden b. M/s Tubacex c. M/s. BMT Superlock d. Jindal Saw	Kindly allow to use Astec & Dawson Make, which are approved for CGD's companies.	Bidder to Provide OEM Approved Certificates BIS & ISI Mark along with other supporting documents i.e. TPI report, along with Performatce Test Report duly certified by CGD company
28	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	20.On Off ball/needle valve for CNG application a. M/s Parker b. M/s Swagelok c. M/s. Dk LOK d. M/s. OEM Make	Kindly allow to use Astec & Dawson Make, which are approved for CGD's companies.	Bidder needs to submit approved PESO certificate along with TPI report & Performance Test reprot certified by CGD Company
29	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	20.On Off ball/needle valve for CNG application a. M/s Parker b. M/s Swagelok c. M/s. Dk LOK d. M/s. OEM Make	Kindly allow to use baumer make needle valve.	Bidder needs to submit approved PESO certificate along with TPI report & Performance Test reprot certified by CGD Company
30	Section XV: LIST OF SUPPLIERS OF MAJOR BOUGHT-OUT ITEMS	23.Air exchanger a. GEI Hamon Ind Ltd. b. GEA India c. Patel Air temp	Kindly allow to use our own SOPAN Make air exchanger, which we are supplied for CGD's companies.	Bidder shall submit the Performance Test reprot & TPI report along with 1000 Hrs of operations/cycles

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
31	Clause No. 3.0 BRIEF SCOPE of Section I of Commercial Volume	Design, Engineering, Manufacturing, Testing, Inspection, Supply, Transportation, Transit Insurance, Loading & Unloading at Nagaland GA (HOGPL) site/store, Documentation including Erection, Installation, Commissioning with commissioning spares & Field Performance Test at HOGPL site of 250 SCMH and 400/450SCMH Electric Motor Driven Hydraulic Variable Suction CNG Booster Compressor with air compressor of capacity approx. 1.5KW discharge pressure approx. 10Kg/Cm2g, 100 water liter capacity air receiver and air dryer along with all accessories and auxiliaries as per technical volume of tender document complete in all respects including special tools & tackles with the list & Operation & Comprehensive maintenance services for 03 (Three) years post completion of warrantee period as per details furnished in this Bid documents.	No operation services considered during warranty period Kindly confirm.	Bidder to refer Schedule of Rates and Technical Volume for detailed scope of work. In scheudle of Rates separate line item no. 1.2 and 2.2 has been provided for operation during warrantee period.
32	Clause No. 10.0 PRICE REDUCTION SCHEDULE (PRS) of Section IV Commercial Volume	In case contractor/supplier fails to complete the work/ services within stipulated period as defined in allotment letters then unless such failure is due to force majeure as defined in Bid document, there will be reduction in contract price @ 0.5% of the total contract value for every week or part thereof of the delay, subject to maximum of 5% of the total contract value. Owner may without prejudice to any methods of recovery, deduct the amount of such PRS from any money due or which may at any time become due to contractor from its obligations or liabilities under the contract or by recovery against the performance bank guarantee. Both Owner and contractor agree that the above percentage of price reduction are genuine pre-estimates of the loss/ damage which Owner would have suffered on account of delay/ breach on the part of contractor and the said amount will be payable on demand without there being any proof of the actual loss/ damage caused by such delay/ breach. Owner decision in the matter of applicability of price reduction shall be final and binding.	0.5% per week for the delayed portion of work to max. 5% of the basic invoice value. Kindly modify the clause as stated above as it is used by other PSU's like BPCL, HPCL, IOCL etc in their recent tenders.	Tender Condition Prevails
33	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	One no. relief valve at each stage discharge, first (1st) stage suction and Blow Down Vessel.	Pressure relief valve is not required at the suction of the compressor as the Gas is coming directly from the storage cascade and also suction pressure is always reducing from 200 to 30 bar. However, we shall provide relief valves at each stage discharge. Kindly confirm	Tender Condition Prevails
34	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Separate junction boxes for different type of signals like analog, digital signals, alarm, shutdowns, and thermocouples, RTDs etc. for interfacing to local panel as per requirement.	Please note that a flameproof PLC panel is being provided, which is designed to accommodate all types of signal cabling, including intrinsically safe signals, alarms, shutdowns, RTDs, etc. Therefore, a separate junction box is not required. Please confirm.	Bidder shall ensure separete Temrinal unit for Power cable & Instrument cable
35	Clause No. 2.0. SCOPE OF WORK of Section II: SCOPE OF WORK Technical Volume	Bidder's scope of work shall include but not limited to design, engineering, manufacturing, inspection, testing, supply including packaging, forwarding, insurance, custom clearance, handling and unloading as well as at PURCHASER stores, package performance test (FAT) at Bidder 's shop and Site Acceptance Test (SAT) of "ELECTRIC MOTOR DRIVEN HYDRAULIC VARIABLE SUCTION CNG BOOSTER COMPRESSOR PACKAGES" as required for dispensing CNG to vehicles at various location of Nagaland State. Electric type CNG Booster Compressor is designed to handle a flow rate of 250SCMH and 400/450 SCMH from a variable suction pressure of 30 - 210 kg/cm2g to a discharge pressure of 255kg/cm2g.).	We understand that the average flow capacity required in 400 SCMH. Please confirm.	Refer Corrigendum 1

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
36	Clause No. 3.0. EXCLUSIONS of Section II: SCOPE OF WORK Technical Volume	<p>The following are excluded from the scope of the bidder:</p> <ul style="list-style-type: none"> • All civil works and foundation design, however the bidder shall furnish all the relevant data for design of any pedestal if required. • Cascades. • CNG Dispensers and Interconnected SS tubes & fittings. The design, construction, manufacture, supply, testing and other general requirements of the compressor package equipment shall be strictly in accordance with the data sheets, applicable API codes, Technical specification, approved drg /document and shall comply fully with relevant National/ International standards, Indian Electricity Act, Indian Electricity Rules, regulations of Insurance Association of India and Factories Act while carrying out work as per this specification. Any modification suggested by the statutory bodies either during drawing approval or during inspection, if any, shall be carried out by the Bidder without any additional cost and delivery implications. 	Since there are different types of storage cylinder cascade arrangement available in the market, we request you to share the storage cylinder cascade drawing.	Details will be provide at the approval stage.
37	Clause No 9.0. CHECKLIST: SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	<p>Bidder's scope of supply shall include but not be limited to the following:</p> <p>Sl. No. 4 : Two nos. Modular type DCP fire extinguisher capacity 10 Kg, shall be provided with each Compressor in the enclosure.</p>	The Booster Compressor Package is equipped with a CO ₂ Flooding System for safety under emergency conditions, which operates automatically through PLC logic. Therefore, a separate Modular DCP fire extinguisher is not required, as it requires manual intervention. Kindly confirm the same	Tender Condition Prevails
38	Clause No. 1.9.3 PACKAGE PERFORMANCE TEST of Section VI: TECHNICAL SPECIFICATION Technical Volume	Bidder shall arrange a Mass flow meter at Discharge of Compressor package to measure the flow for Performance Guarantee test. Duration of test shall be approximately 4 hours which may be in steps in consultation with purchaser.	We request M/s. HOGPL to consider the readings from the suction mass flow meter installed at the compressor inlet during the Performance Guarantee Test. This meter will provide the total volume of gas decanted from the LCV during the test, which can be used to evaluate and verify the compressor's performance.	Agreed with Bidder recommendation
39	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	All compressors have the necessary inbuilt infrastructure for installing a CNG cascade above them.	Bidder requests to confirm whether to consider cascade 3000WL or 4500WL above booster compressors	Bidder shall consider 3000 WL capacity cascade
40	Clause No. 10.0 PRICE REDUCTION SCHEDULE (PRS) of Section IV Commercial Volume	In case contractor/supplier fails to complete the work/ services within stipulated period as defined in allotment letters then unless such failure is due to force majeure as defined in Bid document, there will be reduction in contract price @ 0.5% of the total contract value for every week or part thereof of the delay, subject to maximum of 5% of the total contract value. Owner may without prejudice to any methods of recovery, deduct the amount of such PRS from any money due or which may at any time become due to contractor from its obligations or liabilities under the contract or by recovery against the performance bank guarantee. Both Owner and contractor agree that the above percentage of price reduction are genuine pre-estimates of the loss/ damage which Owner would have suffered on account of delay/ breach on the part of contractor and the said amount will be payable on demand without there being any proof of the actual loss/ damage caused by such delay/ breach. Owner decision in the matter of applicability of price reduction shall be final and binding.	Please note as the order is released on the Lot basis, the reduction should be on undelivered portion of the 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 Condition Prevails
41	Clause No. 38.0 of Section III Commercial Volume	REPEAT ORDER PURCHASER reserves the right, within 1 year of order to place repeat order upto 100% of the original ordered quantity (s) without any change in unit price or other terms and conditions.	Repeat Order is acceptable on the basis of mutual consent between client and bidder.	Bidder understanding is correct.
42	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Separate junction boxes for different type of signals like analog, digital signals, alarm, shutdowns, and thermocouples, RTDs etc. for interfacing to local panel as per requirement.	Local control panel (With PLC) is mounted on the package itself hence junction boxes are not required. Instruments will be directly wired to the Local control panel.	Bidder shall ensure seperate Temrinal unit for Power cable & Instrument cable

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
43	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Acoustic enclosure for Compressor package, with one number L.E.L detectors and one UV detectors in the enclosure. • Common CO2 extinguishing system consisting of two cylinders, piping, valves and control systems, Also one CO2 cylinder will be extinguish at the time successful commissioning of compressor and that will be refilling by bidder.	We do not envisaged to extinguish one CO2 flooding cylinder as working of GD and FD can be check through loop or through individual testing of intruments , we have supplied more than 1000 compressors and above is acceptable by all CGD companies .	Tender Condition Prevails
44	Clause No. 11.1.1. Compressor Capacity of Section II: SCOPE OF WORK Technical Volume	Bidder shall guarantee average capacity of 250 SCMH and 400/450 SCMH from suction pressure of 30 to 210 kg/cm2 and discharge pressure of 255 Kg/cm2 at discharge temperature of 52 degrees centigrade with no negative tolerance for errors in instruments and measurements.	1) Please note maximum allowable temperature within the enclosure shall be 10° C above ambient temperature which is accepted by many CGD companies hence guaranteed flow shall be based on 52° C discharge temperture only when ambient temp is 42° C. 2) Please note guaranteed flow of 250SCMH &400/450SCMH shall be from suction pressure of 30 to 210 kg/cm2 as given in the gauranteed parameters table.	Tender Condition Prevails
45	Clause No. 1.6 of Section VI: TECHNICAL SPECIFICATION Technical Volume	ENCLOSURE OF HYDRAULIC DRIVEN CNG COMPRESSOR PACKAGE Enclosures shall have internal flame proof lighting arrangement. For handling of all heavy parts for maintenance purpose lifting arrangement i.e. beam fitted with chain hoist shall be provide inside enclosure.	We will provide suitable arrangement such as plate for sliding the compressor motor out of the Canopy for maintenance purpose. No other equipment requires lifting arrangement considering their weight and therefore chain pulley arrangement is not required.	Tender Condition Prevails
46	Section II: SCOPE OF WORK Technical Volume		Please provided distances of below : a) Cables from compressor to hooter and upto ESD push button in control room b) Cables from compressor to ESD push button near dispenser. c) Cables form PDB to air compressor d) Power and signal communication cables from compressor to mass flow meter during PG test. e) Cables from purchaser's terminating points to compressor package's components. f) Termination of cables in compressor control panel and in electrical panel including cable lugs and cable glands are in bidder's scope. g) All cable shall be laid through GI cable.	1) Between Compressor package and air compressor/dryer required for actuation .: 8-10 Mtr 2)Between Compressor package and CO2 Flooding system. :5-6 mtr 3) Between Compressor package and LCV Post.: 5-6Mtr 4) Between Compressor package and each ESD.: 10-15 mtr 5) Between Compressor package and the electrical room.: 10-15 Mtr Distances can be varies as per site conditions
47	Clause No. 5.1.2 BATTERY LIMITS Technical Volume	All customer interface connections, gas Inlet shall be brought out to the package edge and terminated with ¾ "OD SS-Tube.	Please note connectors of 3/4" will be provided at priority panel edge/ Package outlet.	Tender Condition Prevails
48	Clause No. 1.7 of Section VI: TECHNICAL SPECIFICATION Technical Volume	PIPING AND TUBING All gas piping/ tubing, valves, fittings etc. from Suction of the 1st stage (right from interface) through final discharge from the compressor (up to interface) shall be SS-316 material with double compression ferrule fittings	As per our engineering the CS tubing is suitable for the pressure and temperature rating under service. Further we wish to confirm it is our proprietary design hence we would like to adhere to our design.	Bidder to Provide OEM Approved Certificates BIS & ISI Mark along with other supporting documents i.e. TPI report, along with Perfomatce Test Report duly certified by CGD company
49	Clause No. 1.0 of Section II: SCOPE OF WORK Technical Volume Clause No. 1.9.3 of Section VI: TECHNICAL SPECIFICATION Technical Volume	For metering of natural gas, 1 No. Coriolis type Mass Flow meter shall be provided at the inlet of Compressor Package. Bidder shall arrange a Mass flow meter at Discharge of Compressor package to measure the flow for Performance Guarantee test. Duration of test shall be approximately 4 hours which may be in steps in consultation with purchaser.	We request M/s.HOGPL to consider readings of suction mass flow meter available in inlet of compressor during performnce gaurantee test which will provide the total gas decanted from LCV during test and based on it performance can be measured/witnessed.	Agreed with Bidder recommendation
50	Clause No. 2 of Section II: SCOPE OF WORK Technical Volume	It will be the responsibility of the contractor to pay as per the minimum wages of the appropriate government applicable under the Minimum Wage Act 1948.	Please clarify state or central wages to be considered .	Central Or whichever is higher
51	General Query		Please confirm 3 shifts for operations to be considered .	The tender is floated considering 2 shifts operations. Whereas shift may decrease or increase based on the actual site requirement as per the rates quoted in SOR.

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
52	General Query		Attached QAP for ready reference same is approved in all CGD as our booster compressor packages are comes in standard products range.	Tender Condition Prevails
53	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK OF WORK Technical Volume	One no. relief valve at each stage discharge, first (1st) stage suction and Blow Down Vessel.	With our standard offering we provide SRV only at discharge and not with Interstage & Suction SRV, kindly confirm if this is acceptable.	Tender Condition Prevails
54	Clause No. 1.0 of Section II: SCOPE OF WORK Technical Volume	For metering of natural gas, 1 No. Coriolis type Mass Flow meter shall be provided at the inlet of Compressor Package.	As per the clause, 2 Nos. Mass Flow Meter are required to be installed in Online Compressor to calculate package gas loss. Since there is no package gas loss in Booster Compressor, we feel that additional flow meter at suction line is not required. It will just add a considerable cost to compressor's package and O&M cost. Please confirm if compressor with 1 x discharge MFM is acceptable.	Tender Condition Prevails
55	Clause No. 1.0 of Section II: SCOPE OF WORK Technical Volume	Special tools and tackles along with Toolbox (List to be submitted with bid) Bidder may outsource auxiliaries' equipment from domestic market from reputed manufacturer approved by PURCHASER. However, the overall guarantee shall lie with the bidder.	As per our standard O&M scope, the maintenance team is equipped with a common set of tools and tackles. Therefore, we kindly request you to confirm that the special tools, tackles, and toolbox will not be supplied separately along with the machine. kindly confirm	Tender Condition Prevails
56	Clause No 9.0. CHECKLIST: SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Bidder's scope of supply shall include but not be limited to the following: Sl. No. 4 : Two nos. Modular type DCP fire extinguisher capacity 10 Kg, shall be provided with each Compressor in the enclosure.	As per our standard scope this requirement of Two nos. Modular type DCP fire extinguisher capacity 10 Kg, to be consider in scope of customer, kindly confirm	Tender Condition Prevails
57	Clause No 9.0. CHECKLIST: SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Bidder's scope of supply shall include but not be limited to the following: Sl. No. 23 : Foundation and anchor bolts is in the scope of the Bidder	As per our standard scope this requirement of Foundation and anchor bolts to be consider in scope of customer, kindly confirm	Tender Condition Prevails
58	Clause No 9.0. CHECKLIST: SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Bidder's scope of supply shall include but not be limited to the following: Sl. No. 15 : Acoustic enclosures for Motor & compressor for noise attenuation up to 75DBA @ 1 metre distance.	With our standard scope we are provide the Acoustic enclosures for Motor & compressor for noise attenuation up to Noise Level 75 ± 3 dB(A) at 1 mtr., kindly confirm	Tender Condition Prevails
59	Clause No. 1.1 of Section VI: TECHNICAL SPECIFICATION Technical Volume	Hydraulic driven reciprocating compressor with electric motor, hydraulic pump and piping, cooling system, suction and discharge filters, control panel safety and control devices, tubing, valves, instrument and other accessories required for automatic and safe operation of the system.	With our standard offering we provide filter only at discharge and not with suction, kindly confirm if this is acceptable	Tender Condition Prevails
60	Clause No. 1.4 of Section VI: TECHNICAL SPECIFICATION Technical Volume	INSTRUMENTATION & CONTROLS: Compressor package shall be provided with following instruments: 2. Temperature indication: each stage discharge and after- after cooler	Temperature Transmitter is provided at the discharge of the Package with suitable interlocks to monitor discharge gas temperature, as such no Temperature Indicator is required at each Stage Discharge. With our standard package we have provided temperature transmitter at after cooler discharge and output can be seen on board HMI and SCADA system, kindly confirm if this is acceptable.	Tender Condition Prevails
61	Clause No. 1.4 of Section VI: TECHNICAL SPECIFICATION Technical Volume	3. Pressure indication: each stage discharge, high & med bank; Pressure switch final stage discharge, high & med bank	With our standard package we provide pressure gauge and transmitter at compressor suction and discharge and an additional pressure transmitter at high bank cascade, kindly confirm if this is acceptable.	Tender Condition Prevails
62	Clause No. 1.4 of Section VI: TECHNICAL SPECIFICATION Technical Volume	3. Pressure indication: each stage discharge, high & med bank; Pressure switch final stage discharge, high & med bank	With our standard package we provide pressure gauge at pump discharge and temperature switch, level switch and level gauge at oil tank, kindly confirm if this is acceptable.	Tender Condition Prevails

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
63	Clause No. 1.4 of Section VI: TECHNICAL SPECIFICATION Technical Volume	4. Hydraulic oil tank: Level switch, temp indication & switch; Pump Pressure indication.	With our standard package we provide pressure gauge at pump discharge and temperature switch, level switch and level gauge at oil tank, kindly confirm if this is acceptable.	Tender Condition Prevails
64	Clause No. 1.4 of Section VI: TECHNICAL SPECIFICATION Technical Volume	5. Coolant: Temp & pressure indication & switch and temp indication after cooler.	With our standard package we provide cooler outlet temperature gauge and pressure gauge and at pump outlet we provide flow switch, kindly confirm if this is acceptable.	Tender Condition Prevails
65	Clause No. 1.6 of Section VI: TECHNICAL SPECIFICATION Technical Volume	Enclosures shall have internal flame proof lighting arrangement. For handling of all heavy parts for maintenance purpose lifting arrangement i.e. beam fitted with chain hoist shall be provide inside enclosure.	In our design, we have eliminated beam fitted with chain hoist arrangement by replacing it with the mechanism within the base frame to remove the hydraulic cylinder for maintenance purposes. We have already supplied such packages to other City Gas Distribution company, moreover, the arrangement of the package allows sufficient space to manage other heavy parts easily. Please confirm if we can supply package without beam fitted with chain hoist arrangement.	Tender Condition Prevails
66	Clause No. 1.9.5 of Section VI: TECHNICAL SPECIFICATION Technical Volume	SPARES 1. Bidder shall provide necessary spares and consumables required for startup and commissioning, free of cost to HOGPL and shall furnish the list of such spares per compressor package in the technical bid. Bidder shall include at least 3 Nos. suction gas filter element / cartridge per compressor package in the commissioning spares. Unutilized commissioning spares shall be returned back to HOGPL after successful commissioning and performance test. 2. Bidders shall provide list of all spares with their part number of compressor package offered.	We would like to inform you that we have already considered all the required spares for operation during the 3-year period, and the inclusive list along with the itemized prices for each spare has been submitted as part of our offer. Accordingly, we kindly request your confirmation that additional gas filters are not required to be supplied separately with each package beyond what is already included in the proposed 3-year spares list.	Tender Condition Prevails
67	General Query		Request you to confirm Central or states wages to be followed?	Central or whichever is higher
68	Clause No. 1.0 of Section II: SCOPE OF WORK Technical Volume	Impulse and pneumatic piping/Tubing for all valves, fittings as specified & required for mounting the instruments. Block and bleed valves to be provided for Pressure gauges and pressure Transmitters.	Bidder wants to inform you that 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 Condition Prevails
69	Clause No. 1.0 of Section II: SCOPE OF WORK Technical Volume	For metering of natural gas, 1 No. Coriolis type Mass Flow meter shall be provided at the inlet of Compressor Package.	Please note that the flow meter is provided on the discharge side of the gas line instead of suction line, after compression. This arrangement ensures accurate measurement of the actual volume of gas discharged from the compressor package, reflecting the true delivery quantity under operating conditions.	Tender Condition Prevails
70	Clause No. 5.1.1 of Section II: SCOPE OF WORK Technical Volume	Air compressor along with 1.5 KW electric motor having discharge pressure of 10 kg/cm2g with dryer shall be supplied by the bidder. Air receiver of 100 water liter capacities shall be provided. Air dryer suitable for automatic operation shall also be supplied along with all accessories. Air compressor, drier and air receiver for instrument air, shall be kept off the package in safe area or client's building. Piping, electrical & instrumentation cabling shall be in bidder's scope. Necessary FR unit shall be provided as per requirement. Manual drains and automatic moisture traps shall be provided in the system. Air receiver shall be provided with SRV, pressure switch, pressure gauge and drains. Pressure switch and pressure gauge shall have isolation valve. Air dryer shall be with bypass arrangement.	As per our design we used electromagnetic valves hence we don't required Instrument Air Compressor. Compared to pneumatic valves this system is more reliable and efficient as fluctuations in air pressure can directly impact booster efficiency and may cause diaphragm damage or malfunction. Hence we request you to kindly include electromagnatic valves design in this caluse for using 2 way valve condition. PTR will be submitted during detail engineering.	Bidder shall submit the Performance Test reprot & TPI report along with 5000 Hrs of operations/cycles
71	Clause No 9.0. CHECKLIST: SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	Sl. No. 4 : Two nos. Modular type DCP fire extinguisher capacity 10 Kg, shall be provided with each Compressor in the enclosure.	Please note that the supplied 2 nos CO ₂ cylinder flooding system is already integrated and automated with PLC system and it is sufficient for compressor size. Additional Modular Type DCP fire extinguishers are not required for this application.	Tender Condition Prevails
72	Clause No Section III: DATA SHEET COMPRESSOR Technical Volume	Discharge Temperature 52 °c	Bidder wants to inform you that the discharge temperature of the compressor shall be 55 °C, which is based on an ambient design temperature of 47 °C. This temperature setting is within acceptable industry standards and ensures optimal compressor performance without exceeding thermal limitations.	Tender Condition Prevails

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
73	Clause No. 9.8 of Section I Commercial Volume	MSEs (Micro & Small Enterprises) are exempted from submission of EMD/ Bid Security and tender fee in accordance with the provisions of Public Procurement Policy-2012. However, Traders/Dealers/ Distributors /Stockiest /Wholesaler registered with DIC are not entitled for exemption of EMD. Further, the Government Departments/ PSUs are also exempted from the payment of Tender Fee and Bid Security. Such bidders must furnish valid documents on along with bid to avail the exemption.	The bidder requests that exemption from EMD may kindly be provided to MSME (Micro, Small & Medium Enterprises) bidders. So that we can submit a competitive bid.	Tender Condition Prevails
74	Clause No. 1.0 of Section II: SCOPE OF WORK Technical Volume	Impulse and pneumatic piping/Tubing for all valves, fittings as specified & required for mounting the instruments. Block and bleed valves to be provided for Pressure gauges and pressure Transmitters.	* Block & Bleed valve will be provided for PG, * Block & bleed valve if used with PT it cause problem with controls if the instrument is isolated from the process line	Tender Condition Prevails
75	Clause No. 1.0. SCOPE OF SUPPLY of Section II: SCOPE OF WORK Technical Volume	One no. relief valve at each stage discharge, first (1st) stage suction and Blow Down Vessel.	* There is no requirement of relief valve at suction because suction is always variable * Both the stages of intensifier are designed for 250 Bar, and there is no isolation between the stages, therefore one relief valves at final stage discharge serves the purpose * this clause is applicable for online reciprocating compressor	Agreed with Bidder recommendation
76	Clause No. 10.0. GUARANTEED PARAMETERS Technical Volume	Sl. No. 5. Sound level of enclosure(required Max 75 dBA)	Kindly permit 75+- 3 dBA at 1 meter	Tender Condition Prevails
77	Clause No. 1.9.3 PACKAGE PERFORMANCE TEST of Section VI: TECHNICAL SPECIFICATION Technical Volume	Bidder shall arrange a Mass flow meter at Discharge of Compressor package to measure the flow for Performance Guarantee test. Duration of test shall be approximately 4 hours which may be in steps in consultation with purchaser.	Kindly include discharge mass flow meter for PG test in the scope of client	Agreed with Bidder recommendation
78	Section VII: QUALITY ASSURANCE PLAN	Sl. No. 1. HYDROTEST OF – CYLINDER, PRESSURE VESSELS, HEAT EXCHANGER	Hydrotest report will be offer for review to TPIA during MRT inspection	Tender Condition Prevails
79	Section VII: QUALITY ASSURANCE PLAN	Sl. No. 1. HYDROTEST OF - CYLINDER HEADS	Hydrotest report will be offer for review to TPIA during MRT inspection	Tender Condition Prevails
80	Section VII: QUALITY ASSURANCE PLAN	Sl. No. 12. CANOPY STRUCTURE PAINTING INSPECTION AT WORKS. SURFACE PREPARATION TO BE INSPECTED AFTER CLEANING AND BEFORE APPLICATION OF FIRST COAT OF PRIMER.	The canopy will be powder coated, and the final finished canopy will be offered for inspection, inspection at intermediate stage of painting is not possible.	Tender Condition Prevails
81	Section VII: QUALITY ASSURANCE PLAN	Sl. No. 13. FUNCTIONAL / HV / CONTINUITY TEST FOR CONTROL PANEL (AT SUB VENDOR'S WORKS)	Only the final functional test will be offered during MRT of the compressor	Tender Condition Prevails
82	Section VII: QUALITY ASSURANCE PLAN	Sl. No. 10. ELECTRIC MOTOR PERFORMANCE TEST- AT SUB-VENDOR'S WORKS PER ISO STD.	Only the functional test will be offer to TPIA during MRT inspection	Tender Condition Prevails
83	Section II: SCOPE OF WORK Technical Volume		Please provide distances of below : a) Cables from compressor to hooter and upto ESD push button in control room b) Cables from compressor to ESD push button near dispenser. c) Cables from PDB to air compressor d) Power and signal communication cables from compressor to mass flow meter during PG test. e) Cables from purchaser's terminating points to compressor package's components. f) Termination of cables in compressor control panel and in electrical panel including cable lugs and cable glands are in bidder's scope. g) All cable shall be laid through GI cable.	1) Between Compressor package and air compressor/dryer required for actuation .: 8-10 Mtr 1) Between Compressor package and air compressor/dryer required for actuation .: 8-10 Mtr 2) Between Compressor package and CO2 Flooding system. :5-6 mtr 3) Between Compressor package and LCV Post.: 5-6Mtr 4) Between Compressor package and each ESD.: 10-15 mtr 5) Between Compressor package and the electrical room.: 10-15 Mtr Distances can be varies as per site conditions
84	Clause No. 2 of Section II: SCOPE OF WORK Technical Volume	It will be the responsibility of the contractor to pay as per the minimum wages of the appropriate government applicable under the Minimum Wage Act 1948.	Kindly confirm the minimum wages to consider.	Central or whichever is higher

Sl. No.	Ref Clause No.	Ref Clause Description	Bidders Query	HOGPL Reply
85	Clause No. 11.0 of Section II: SCOPE OF WORK Technical Volume	<p>(a) On normal day (i.e. the day other than the Scheduled Maintenance Day):</p> <p>(i) The party has to ensure that the equipment is available for operation for a minimum of 12 hours per day.</p> <p>(ii) If the equipment is down for more than 6 hours on any day. Penalty would be applicable as follows: up to 10 hours: Rs. 20,000/- per day Beyond 10 hours: Rs. 40,000/- per day.</p>	<p>We request corporation to maintain the penalty for Non-Performance during Operation & Maintenance Period As per the Corrigendum #1 dated: 25.09.2020 for Tender No.: HOGPL/2020-21/C&P/004 Date: 14.09.2020. i.e. "(i) The party has to ensure that the equipment's are available for operation for minimum 18 hours per day. (ii) If the equipment is down for more than 6 hours on any day. Penalty would be applicable as follows: up to 12 hours: Rs.2,500/- per day Beyond 12 hours: Rs.5,000/- per day. (b) On schedule maintenance day: (i) The party would be required to carry out the recommended schedule/preventive maintenance of the equipment for which the party has to indicate the time required for each type of schedule maintenance. (ii) If the equipment is down for more than 6 hours & upto 12 hours beyond the time indicated for the agreed schedule maintenance, the party would be penalized Rs.2,500/- and for more than 12hours Rs.5,000/- per day.</p> <p>In any case, the maximum penalty imposed in a month for non-performance of the equipment would be limited to 50% of the amount of O&M charges to be paid to the party per month per compressor."</p> <p>Kindly Confirm the same.</p>	Tender Condition Prevails

Signature & Seal of Bidder