











<div> Energising Quality</div>		<div>REPLY TO BIDDER'S PRE-BID QUERIES</div> <div>ANNUAL RATE CONTRACT FOR PROCUREMENT OF ELECTRIC MOTOR DRIVEN AND GAS ENGINE CNG COMPRESSOR PACKAGE (1200 SCMH) FOR CITY GAS DISTRIBUTION (CGD) PROJECT AT NAGALAND STATE GAS</div> <div>TENDER NO. HOGPL/VCS/2025-26/C&amp;P-NL/ARC/COMP/009</div> <div>VCS REFERENCE NO. VCS/HOGPL/PRC/2025/001</div>				VCS REFERENCE NO.: VCS/HOGPL/PRC/2025/001		<div> HPOIL GAS</div>									
						Owner: HPOIL Gas Private Limited											
						Consultant: VCS Quality Services Pvt Ltd.											
						Date: 31.07.2025											
						Pre-bid meeting held on : 21.07.2025											
Sl. No.	REFERENCE OF BIDDING DOCUMENT No.				Bidder's Query/Clarification	HOGPL/VCS Reply											
	Tender Sec.No.	Tender Clause No.	Tender Page No.	Tender specification / Clause Description													
COMMERCIAL																	
1	Invitation of Bids (IFB) of Commercial Volume of Tender Document	5.1 & 5.2	9 of 89	<div>5.0 DELIVERY LOCATION &amp; SCHEDULE</div> <div>5.1 Delivery locations: The Electric Motor Driven and Gas Engine Driven CNG Compressor Package shall be FOT, HPOIL Site/Store at Dimapur in Nagaland State GA's for Part-A &amp; Part-B.</div> <div>5.2 Delivery Schedule<table><tr><th>Part</th><th>Details</th><th>Total (Nos)</th><th>Delivery Schedule</th></tr><tr><td>A</td><td>1200 SCMH Electric motor driven CNG Compressor Package.</td><td>02</td><td rowspan="2">Delivery shall be within 12 (twelve) weeks from the date of Intimation or as instructed by EIC.</td></tr><tr><td>B</td><td>1200 SCMH Gas Engine driven CNG Compressor Package.</td><td>02</td></tr></table></div> <div>The above-mentioned requirement is for a period of Two (02) years on rate contract basis. The quantities indicated in SOR against all individual item are tentative and may vary depending upon site condition. An ARC Contract/ Agreement shall be issued to the successful bidder, against which, EIC shall issue call up orders as per their actual site requirement.</div>	Part	Details	Total (Nos)	Delivery Schedule	A	1200 SCMH Electric motor driven CNG Compressor Package.	02	Delivery shall be within 12 (twelve) weeks from the date of Intimation or as instructed by EIC.	B	1200 SCMH Gas Engine driven CNG Compressor Package.	02	<div>As per our discussion, considering the remote location of Nagaland providing the packages in 12 weeks FOT site is not possible as road transport / transit time is itself minimum 30 ~ 40 days for Nagaland destination from our Pune manufacturing plant.</div> <div>Also, we need at least 14-16 weeks to manufacture the package based on current delivery of parts provided to us by our suppliers and after receipt of approved drawings + manufacturing clearances from Consultant. Drawing approvals itself sometimes takes minimum 45 ~ 60 days as per our past experience.</div> <div>We request you to please revise the delivery requirement to atleast 18 ~ 20 weeks from date of intimation. Under circumstances of non acceptance of the request, we shall not bid for the tender since with the current delivery schedule as per tender, no bidder can avoid 5% LD penalty (PRS).</div>	Refer Corrigendum-01
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B	1200 SCMH Gas Engine driven CNG Compressor Package.	02															
2	Invitation of Bids (IFB) of Commercial Volume of Tender Document	5.3	10 of 89	<div>Duration of O&amp;M : For Operation: The duration for operation of compressor package shall be five (05) years (1 year during warranty and 04 years post warranty).</div> <div>For Maintenance: The duration for comprehensive maintenance shall be four (04) years (post warranty).</div>	<div>Kindly allow bidders to quote rates for the Comprehensive maintenance during first year warranty period also since maintenance cannot be free as it involves cost. Unnecessarily the rates shall be included by bidders in the Compressor rates since maintenance activity during warranty period in any case shall attract cost. O&amp;M rates for the respective year shall be applicable during which the Compressors are commissioned.</div>	Tender conditions shall prevail.											
3	General Conditions of Contract (GCC) of Commercial Volume of Tender Document	14.0	47 of 89	<div>INSURANCE</div> <div>Transit Insurance up to HOGPL site/ store at Dimapur in Nagaland State GAs shall be arranged by Supplier.</div>	<div>Transit Insurance will be applicable &amp; terminate once goods are unloaded at HOGPL Site / Stores. No other insurance is applicable for the bidder like for storage of equipment at site / stores., theft, fire, damage etc. Ward &amp; Watch, Storage of equipment at HOGPL site / stores is not part of scope of bidder. Bidder shall be relieved of the responsibility once equipment is unloaded at site / stores.</div>	Tender conditions shall prevail.											
4	General Conditions of Contract (GCC) of Commercial Volume of Tender Document	15.0	47 of 89	<div>TRANSPORTATION</div> <div>15.1 Where the Supplier is required under the Scope of the Contract to transport the Goods to a specified place of destination or to Site, the Supplier shall transport to such place of destination or site, as the case may be, including insurance and storage, if required. The Contract Price will include costs of all such transportation.</div>	<div>Equipment will be transported to destination as advised by HOGPL in the despatch clearance. Unloading at site shall be one time activity in scope of bidder either at site or stores. Transportation of equipment between sites or from stores to site and related loading &amp; unloading is not included in scope of bidder. This will be additionally charged in case HOGPL wants to get the job done from bidder. Or else kindly give option for quoting RE-TRANSPORTATION rates in the SOR. Transit Insurance will be applicable &amp; terminate once goods are unloaded at HOGPL Site / Stores. No other insurance is applicable for the bidder like for storage of equipment at site / stores., theft, fire, damage etc. Ward &amp; Watch, Storage of equipment at HOGPL site / stores is not part of scope of bidder. Bidder shall be relieved of the responsibility once equipment is unloaded at site / stores.</div>	Tender conditions shall prevail.											
5	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	3.0	55 of 89	<div>PRICE REDUCTION SCHEDULE (PRS)</div> <div>3.1 In case supplier fails to complete the supply within stipulated period then unless such failure is due to force majeure as defined in Bid document, there will be reduction in order value @ 0.5% of the total order value for every week or part thereof the delay, subject to maximum of 5% of the total order 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 supplier from its obligations or liabilities under the contract or by recovery against the performance bank guarantee. Both owner and supplier 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 supplier 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.</div> <div>3.2 Value considered for PRS as per above clause shall be excluding taxes and duties.</div> <div>3.3 All sums payable by way of compensation shall be considered as reasonable compensation without reference to the actual loss or damage which shall have been sustained.</div>	<div>26.1.1 LIQUIDATED DAMAGES: Deductions shall apply as per following formula: In case of delay in delivery of equipment/materials or delay in completion, total contract price shall be reduced by 0.5% (half percent) of the total contract price per complete week of delay or part thereof subject to a maximum of 5% (five percent) of the respective individual invoice of delayed material.</div>	Tender conditions shall prevail.											
6	General Conditions of Contract (GCC) of Commercial Volume of Tender Document	28.0	51 of 89	Force Majeure	<div>Supplier / Bidder shall not be liable for any damage to goods due to natural calamity/Fire/ Floods etc once the material is supplied/delievered at Purchaser site / stores.</div>	Tender conditions shall prevail.											



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7	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	7.0	57 of 89	<p><b>7.0 TERMS OF PAYMENTS</b></p> <p>For Supply</p> <p>7.1 90 % of Invoice value as applicable will be paid by Owner within 30 days against receipt and acceptance of material at site &amp; submission of the following documents: -</p> <p>i. Invoice in triplicate (As per GST Act/ Rules)</p> <p>ii. Inspection Certificate cum Release note issued by approved inspection agency or owner &amp; Dispatch Clearance Note.</p> <p>iii. GR/ LR</p> <p>iv. Packing List</p> <p>v. Insurance cover note covering transit insurance</p> <p>vi. A certificate from manufacturer that the all items/ equipment under supply including its component or raw material used with manufacturing are new and conform to the tender requirement. In case manufacturer is not the contractor this certificate will duly be endorsed by the contractor owning overall responsibility.</p> <p>vii. Copy of Performance Bank Guarantee(s) of appropriate value (as per order) as already submitted by supplier.</p> <p>viii. In case of delay in receipt of material at site the invoice value shall be reduced to take care of stipulation of PRS clause of the contract.</p> <p>7.2 Balance 10% payment of the supplied portion will be paid within 30 days after successful Erection, Testing, and commissioning of the units at site &amp; final acceptance by the owner and submission following additional document Final acceptance of material by HOGPL</p> <p>i. Acceptance certificate.</p> <p>ii. Clearance from ESIC, PF and labour authority, if applicable.</p> <p>iii. Work completion certificate.</p> <p>iv. GST assessment certificate, if applicable.</p> <p>v. No claim certificates.</p> <p>vi. In case of delay in erection and commissioning, the invoice value shall be reduced to take care of PRS clause.</p> <p>However, if commissioning is not done within 120 days after delivery, payment against erection, testing and commissioning shall be released to the bidder subject to submission of an undertaking that the bidder will mobilize the team to complete erection testing and commissioning within 7 days from the date of intimation of EIC and against submission of BG of equivalent amount over and above the CPBG submitted earlier.</p> <p>7.3.1 Comprehensive Annual Comprehensive Servicing, Repair &amp; maintenance charges after successful completion of Warranty Period.</p> <p>7.3.2 Monthly comprehensive O&amp;M charges shall be paid on pro-rata monthly basis, within 30 days on receipt of corrected invoices duly certified by Engineer In-Charge.</p> <p>7.3.3 Payment of operation Charges – One team of operator shall operate a maximum of two compressor packages of one OEM only at a given site.</p>	<p>1. Payment Towards Supply</p> <p>The following payment terms shall be applicable:</p> <p>i)90% Payment shall be released within 30 working days after receipt of materials at site / HPCL's store on submission of dispatch/ shipping documents i.e. (GR / LR), manufacturer's test certificates, filled in FAT Report (including protocol details) duly accepted by purchaser, invoice, packing list, insurance policy, guarantee/warranty certificate, inspection release note, dispatch clearance, material receipt certificate issued by the Owner etc.</p> <p>ii) 10% Payment shall be released within 30 working days after successful completion of installation, Testing, Commissioning &amp; Performance acceptance Test of each Compressor package at the site and Acceptance thereof by the OWNER.</p> <p><b>iv) However, if either of installation, erection, commissioning, testing at site &amp; final acceptance is not done within 90 days after delivery, 10% balance payment against erection, testing and commissioning shall be released to the bidder subject to submission of an undertaking that the bidder will mobilize the team to complete erection testing and commissioning within 7 days from the date of intimation of EIC. No separate bank guarntee shall be applicable for release of the retention payments.</b></p>	Refer Corrigendum-01		
				<p>As per our discussion during Prebid meeting, for 2nd point where 10% retention payment is to be payable against BG after 120 days. However, we request you to please remove the BG clause and release 10% payment after completion of 90 days.</p> <p>All the CGD companies have already removed the BG clause for retention from their tenders. Even HPOIL in its last tender HOGPL/PRC/2023/003 floated through VCS as enclosed above didn't have this clause of retention BG.</p> <p>Accordingly, we request you to remove the requirement of Bank Guarantee submission for release of 10% payment.</p>				
8	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	7.3.2	58 of 89	Monthly comprehensive O&M charges shall be paid on pro-rata monthly basis, within 30 days on receipt of corrected invoices duly certified by Engineer In-Charge.	Bidder shall be given provision to quote maintenance rates separatley for the first year under warranty. Kindly amend the clause. O&M rates for the respective year shall be applicable during which the Compressors are commissioned.	Tender conditions shall prevail.		
9	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	SCC - 7.3.3	58 of 89	Payment of operation Charges – One team of operator shall operate a maximum of two compressor packages of one OEM only at a given site.	Operation charges shall be per Compressor basis irrespective of no of Compressors at one particular site of the same OEM/Supplier.	Tender conditions shall prevail.		
10	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	SCC - 16.2.4	62 of 89	In case a compressor package is commissioned after six months from the receipt of last package of that lot for any reason attributable to Purchaser, the operation & comprehensive maintenance rates for that particular period (year) will be applicable. First year rates of CAMC will be valid for one year from the date of expiry of warranty and second year rates of CAMC will be valid for one year after 12 months from the date of expiry of warranty. The total validity of CAMC shall however be limited to 5 years from the date of receipt of last compressor package of that lot.	O&M rates for the respective year shall be applicable during which the Compressors are commissioned.	Tender conditions shall prevail.		



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11	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	SCC - 16.2.3	62 of 89	Bidders must note that the rates for fourth year of comprehensive maintenance will form the basis for finalizing the rates for these activities beyond the contractual period, if HPOIL so desires. While arriving the new rates the factors like inflation rate, revision in minimum wages and variation in foreign exchange rate (if applicable) etc. will only be considered.	Separate contract will be awarded for providing the operation and comprehensive maintenance services (including major overhaul for compressor) for another five years i.e. 6th to 10th year: The rates shall be with mutual consent between bidder & hogpl or i) For Comprehensive maintenance services: To derive rate for sixth and subsequent years (6th to 10th year), minimum 15% annual escalation YoY basis) on awarded rate of 5th Year shall be considered. ii) For Operations: To derive rate for sixth and subsequent years (6th to 10th year), minimum 15% annual escalation YoY basis on awarded rate (excluding wage components, variation of which is payable on actual basis) of 5th Year shall be considered. It will be responsibility of bidder to ensure the payment of minimum wages of State to workmen engaged for operations.	Tender conditions shall prevail.											
12	General			22.0 STATUTORY APPROVALS	All statutory approvals required at site shall be liability of Owner.	Tender terms and conditions to be followed.											
13	General			PERMITS & CERTIFICATES	All applicable permits / certification / licenses etc and related documentation thereof, apart from those related to the goods / equipment supplied, shall not be in scope of bidder.	Tender conditions shall prevail. All applicable permits / certification / licenses etc and related documentation thereof, apart from those related to the goods / equipment supplied, shall be in scope of bidder.											
14	Invitation of Bids (IFB) of Commercial Volume of Tender Document	5.2	9 of 89	<table><tr><th>Part</th><th>Details</th><th>Total (Nos)</th><th>Delivery Schedule</th></tr><tr><td>A</td><td>1200 SCMH Electric motor driven CNG Compressor Package.</td><td>02</td><td rowspan="2">Delivery shall be within 12 (twelve) weeks from the date of Intimation or as instructed by EIC.</td></tr><tr><td>B</td><td>1200 SCMH Gas Engine driven CNG Compressor Package.</td><td>02</td></tr></table> <p>The above-mentioned requirement is for a period of Two (02) years on rate contract basis. The quantities indicated in SOR against all individual item are tentative and may vary depending upon site condition.</p> <p><b>An ARC Contract/ Agreement shall be issued to the successful bidder, against which, EIC shall issue call up orders as per their actual site requirement.</b></p>	Part	Details	Total (Nos)	Delivery Schedule	A	1200 SCMH Electric motor driven CNG Compressor Package.	02	Delivery shall be within 12 (twelve) weeks from the date of Intimation or as instructed by EIC.	B	1200 SCMH Gas Engine driven CNG Compressor Package.	02	Due to heavy demand of Compressor Packages from City Gas entities the delivery of critical components such as Gas Engine, PLC Panels, Flow Meters etc. is itself currently at 18-20 weeks ex-works.  Furthermore, we would like to bring to your attention that the shipment will be moved from Uttar Pradesh (UP) to Nagaland, which is a geographically remote location. Given the challenging terrain, infrastructure constraints, and limited logistical connectivity, the transportation to the site may require additional time beyond the standard transit duration.  In view of the above, we kindly request you to grant a delivery period of 20 weeks from the date of the first Notification of Award (NOA) or as instructed by the Engineer-in-Charge (EIC).  We request your kind consideration and acceptance of this revised delivery schedule.	Refer Corrigendum-01
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15	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	7.2	58 of 89	<p>For Supply Balance 10% payment of the supplied portion will be paid within 30 days after successful Erection, Testing, and commissioning of the units at site &amp; final acceptance by the owner and submission following additional document Final acceptance of material by HOGPL i. Acceptance certificate. ii. Clearance from ESIC, PF and labour authority, if applicable. iii. Work completion certificate. iv. GST assessment certificate, if applicable. v. No claim certificates. vi. In case of delay in erection and commissioning, the invoice value shall be reduced to take care of PRS clause. However, if commissioning is not done within 120 days after delivery, payment against erection, testing and commissioning shall be released to the bidder subject to submission of an undertaking that the bidder will mobilize the team to complete erection testing and commissioning within 7 days from the date of intimation of EIC and against submission of BG of equivalent amount over and above the CPBG submitted earlier.</p>	<p>We respectfully request that, in the event commissioning is not completed within 120 days from the date of delivery due to reasons not attributable to the contractor, the payment against erection, testing, and commissioning may be released to us against a declaration.</p> <p>The declaration will confirm our readiness and commitment to carry out erection, testing, and commissioning upon instruction from the Engineer-in-Charge (EIC), and to mobilize the required team accordingly.</p> <p>We kindly request you to accord your acceptance to the above arrangement.</p>	Tender conditions shall prevail.											
16	Special Conditions of Contract (SCC) of Commercial Volume of Tender Document	3.0	55 of 89	<p>PRICE REDUCTION SCHEDULE (PRS)</p> <p>3.1 In case supplier fails to complete the supply within stipulated period then unless such failure is due to force majeure as defined in Bid document, there will be reduction in order value @ 0.5% of the total order value for every week or part thereof of the delay, subject to maximum of 5% of the total order 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 supplier from its obligations or liabilities under the contract or by recovery against the performance bank guarantee. Both owner and supplier 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 supplier 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.</p> <p>3.2 Value considered for PRS as per above clause shall be excluding taxes and duties.</p> <p>3.3 All sums payable by way of compensation shall be considered as reasonable compensation without reference to the actual loss or damage which shall have been sustained.</p>	<p>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 supplyprice.</p> <p>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.</p> <p>(Excluding Taxes and duties).</p>	Tender conditions shall prevail.											



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17	Invitation of Bids (IFB) of Commercial Volume of Tender Document	5.2	9 of 89	Delivery Schedule: Delivery shall be within 12 (twelve) weeks from the date of Intimation or as instructed by EIC	As it is engine & motor driven which will require time to delivery, We request you to please extend the delivery schedule period.	Refer Corrigendum-01		
18	General			Transportation	Freight Charges shall be Up to Site/Store  Delivery location will be either directly at site or store designated by Owner. One time unloading either at site or store will be in bidder's scope. However in case package is delivered to the store then re-transportation, loading and unloading of the package from store to site Shall be in Owner's Scope	Tender condition shall Prevail.		
19	General			Wages	HOGPL to Confirm which wages to be consider , State wages or Central wages .	State wages or Central whichever is higher		
TECHNICAL								
1	-	Technical Vol II	Page no's 51 & 256	QUALITY ASSURANCE PLAN FOR ENFINE DRIVEN & MOTOR DRIVEN PACKAGES	Refer Attached annexture - I for test certificates which shall be provided against QAP requirement. All the clauses mentioned in the QAP are not relevant for the respective componenets. We shall provide relevant TC's & Compliance report as per Annexure A (separate pdf file) attached.	Tender condition shall Prevail.		
2	-	Vol II	Vol II - Page no's 198 & 396	Penalty for Non-Performance during Operation & Maintenance	In case any breakdown, the maximum penalty should be applicable up to 50%. In case the low availability of equipment , the maximum penalty per % should be Rs.5000/-.	Tender condition shall Prevail.		
3	-	Vol II	Vol II - Page no's 198 & 396	Penalty on schedule maintence day beyond given time	We shall accept Penalty , In case there is a continuous breakdown, 50% of monthly maintenance charges excluding operational part will be deducted.	Tender condition shall Prevail.		
4	-	Vol II	Page no's 51 & 256	QUALITY ASSURANCE PLAN	We shall follow our standard QAP as attached herewith. Inspection & Testing will be as per Approved QAP by customer, detail QAP will be submit for approval. Copy of QAP is attached herewith for your reference.	Tender condition shall Prevail.		
5	-	4. Penalty Criteria For Motor driven & Gas engine driven CNG compressor	Vol II - Page no's 198 & 396	Penalty towards Excess Package Gas Loss:	The value of ' G ' shall be combination of below conditions :: ( 1 ) The value of ' G ' for vent loss shall be taken from the vent mass flowmeter. As per compressor design logic venting is only possible through rod packing seals and our block being of pressurized crankcase design, there is no vent loss during compression. Hence vent mass flow meter is not applicable for us but same shall be applicable for bidder's offering block with non-pressurized crankcase. ( 2 ) The value of ' G ' for leakage :: The individual mass flowmeter comes with batch accuracy of +/-0.5% . Hence instrument accuracy as indicated by OEM i.e +/-0.5% per mass flowmeter to be considered.	Vent loss including pressurized crank case,emergency venting, SRV vent and other gass losses during maintenaince of compressor package, hence it can't be avoided.		
6	-	4. Penalty Criteria For Motor driven & Gas engine driven CNG compressor	Vol II - Page no's 198 & 396	Penalty towards Excess Engine Fuel Consumption & Motor Power Consumption :	Machine is subjected to intermittent start / stops based on the load at station. The gas density varies throughout the month and instrument batch accuracy as indicated by MFM - OEM i.e +/-0.5% per mass flowmeter to be considered. Hence establishing the variations in fuel consumption / Power Consumption figures than the quoted consumptions need consistency of above three factors. Accordingly, we suggest on monthly basis bidders should demonstate the actual fuel figures during operation & same should be compared with quoted figure to impose penalty.	Vendor should quote the fuel consumption figure considering the all critical parameters based on site condition for meeting the actual fuel consumption.		
7	-	4. Penalty Criteria For Motor driven & Gas engine driven CNG compressor	Vol II - Page no's 198 & 396	Penalty towards Package Efficiency Loss	For penalty towards package efficiency loss, only the operational load hours of the m/c to be considered for calculating capacity. Formula for e.eg., Total hours - Unloading hours = Loaded hours. OR Maximum efficiency of the package to be considered as 98% due to frequent start stop of the m/c which is a common feature at CNG stations occuring due to load conditions. None of the Compressors are designed to start / stop immediately on load condition for safe operatipn. Also during unloading conditions, compressors cannot deliver capacity. Hence, maximum efficiency of the package to be considered as 98%. The suction pressure at Compressor package inlet PT shall be considered for calculating flow, power & efficiency.	Tender condition shall Prevail.		





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8	-	4. Penalty Criteria For Motor driven & Gas engine driven CNG compressor	Vol II - Page no's 198 & 396	Penalty for Non-Performance during Period of Operation & Maintenance	Maximum penalty of 50% will be acceptable & applicable only on maintenance charges including breakdown beyond 15 days, Efficiency, Package fuel consumption & gas loss if any. HOGPL shall release operation charges without any deduction. max.penalties should be 50% including Gas loss,Fuel consumption,Effeceincy and breakdown	Tender condition shall Prevail.	
9	-	4. Penalty Criteria For Motor driven & Gas engine driven CNG compressor	Vol II - Page no's 198 & 396	On schedule maintenance day (excluding periodic major overhaul of compressor/ engine):	Maximum penalty of 50% will be acceptable & applicable only on maintenance charges including breakdown beyond 15 days, Efficiency, Package fuel consumption & gas loss if any. HOGPL shall release operation charges without any deduction. max.penalties should be 50% including Gas loss,Fuel consumption,Effeceincy and breakdown	Tender condition shall Prevail.	
10	-	1.26	18 of 469	Gas meter (3 nos.): Mass flow meter Coriolis type at compressor discharge, at compressor suction, and package vent loss (thermal type) with online test arrangements. Installation and manufacturing of mass flow meter shall be as per AGA-11. While installing special care shall be taken to isolate the mass flow meter from piping vibration. The mass flow meter at the suction & discharge of compressor shall be W&M approved only.	Compressor design being a pressurized crankcase, there will be no gas loss through vent, considering the same Vent Mass flow meter not considered, kindly accept.	Tender condition shall Prevail.	
11	-	1.26	225 of 469	Gas meter (4 nos.): Mass flow meter Coriolis type at compressor discharge, at compressor suction, gas engine fuel consumption and package vent loss (thermal type) with online test arrangements. Installation and manufacturing of mass flow meter shall be as per AGA-11. While installing special care shall be taken to isolate the mass flow meter from piping vibration. The mass flow meter at the suction & discharge of compressor shall be W&M approved only	Compressor design being a pressurized crankcase, there will be no gas loss through vent, considering the same Vent Mass flow meter not considered, kindly accept.	Tender condition shall Prevail.	
12	-	1.31	18 of 469	Common structural steel skid for the compressor- engine combination and for all auxiliary systems in closure size shall not exceed 20m2.	All auxiliaries like CO2, Air compressor, etc will be supplied loose & to mounted apart from package.	Noted	
13	-	1.5 & 1.44	19 & 226 of 469	Override facility in LCP to fill LCV in priority panel of compressors shall be provided.	This can be provided at programme logic with password protection instead of manual switch. Provision of manual switch for priority panel can lead to hazard in case on unauthorized person operation at site.	Provision only required in LCP.	
14	-	1.9 & 1.48	19 & 226 of 469	Double chamber Acoustic enclosure for both Compressor and gas engine as specified, with Two number L.E.L detectors and Two UV/IR detectors in each compartment inside the enclosure. In case single Acoustic enclosure for Compressor package, each package shall be provided with two nos. IR Type L.E.L. gas detector and two nos. UV - IR flame detectors to cover the enclosure effectively	As per PESO guideline, we provide Single compartment, non partition type accoustic enclosure for the package. Similar packages are operating satisfactorily in the field at various CGD Companies like Torrent Gas, Gujarat Gas, Adani Gas, Gail India, Gail Gas, IGL, MGL etc to name a few. We shall considred total 2 number of gas detectors and flame detectors for each package. Will be supplied as per earlier supply and proprietary design.	Acoustic Enclosure Design shall be considered as per OEM practice.	
15	-	2.0.8 & 2.8	22 & 229 of 469	Structural supports required for fixing of piping, ESDs & PVC clamps for SS tubes are also included and to be erected at site during installation of the package. Anchor fasteners for air receiver, air compressor, air dryer, CO2 flooding system, ESD are also included and to be erected at site during installation of the package	All field tubing, piping and support will be in the scope of customer. Request to kindly exclude from scope of bidder.	Tender condition shall Prevail.	
16	-	2.0.11 & 2.13	23 & 230 of 469	To cater to the UPS power requirement of the compressor for PLC based control panel, one number of UPS (240 ±1 % V, 50 ±1 % Hz) (feeder in UPS ACDB) shall be provided by Owner. Supply, Laying & termination of Incoming cable from ACDB to Compressor and further downward distribution is in the scope of the Bidder. Surge protection devices shall be provided in the control panel as per approved make.	we have excluded UPS from our scope. Kindly confirm the same.	Noted	
17	-	2.0.13 & 2.15	13 & 230 of 469	Bidder shall provide suitable canopy arrangements for Air compressors, airdryer, Co2 flooding system & Priority panel for rain water ingress & sun protection as per site requirements	Priority panel will be mounted on wall of compressor canopy with separate cubicle. CO2 system will be provide with over head roof arrangement. For air compressor canopy arrangement will not considered in bidder scope	Tender condition shall Prevail.	
18	-	2.3 & 5.1.2	139 & 238 of 469	As and where specified on the data sheets all vents (i.e. Relief valve, distance piece, packing and starting air) shall be manifold and terminated at skid edge outside the enclosure and vented to safe height at package roof.	All the vents will be manifolded and terminated at a single point of the package as per manufacturer's design layout for the package. Separate header is not considered. Packing vent line is not applicable since crankcase is pressurised and gas loss is zero. Starting air vent will carry Silencer.	Tender condition shall Prevail.	
19	-	2.5 & 1.53	20 & 227 of 469	Piping from air compressor and CO2 cylinders up to enclosures at a max. Distance of 30m each is in the scope of bidder and shall be treated as part of supply & erection	All field piping is not considered in bidder scope, kindly accept.	Tender condition shall Prevail.	
20	-	2.0.28 & 30	24 of 469	Prime mover (Electric Motor) Main Motor Starter: Variable Frequency Drive (Heavy Duty) with input line and DC choke, along with other safety measures Motor shall be three phase, AC, asynchronous, flameproof, high efficiency "d" (IE# or better, as per IEC60034-30), Ex rated, continuous duty, service factor 1.1, on IEC standard type. Designing shall be done on basis of 50 degrees package ambient temperature. Motor shall be suitable for VFD starter	Electrical panel for motor soft starter starter will be provide,kindly confirm. We will provide an IE2 motor. If an IE3 motor is required, it will impact both the cost and delivery timeline. Kindly confirm.	Tender condition shall Prevail.	



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21	-	2.6 & 1.54	20 & 227 of 469	Each stage outlet Temp and each stage inlet temperature, i.e. before cooler & after cooler to be interlocked logically and displayed on PLC.	Each stage outlet temperature before cooler and for after cooler temperature before and after will be displayed on PLC.	Tender condition shall Prevail.	
22	-	2.15 & 1.63	20 & 227 of 469	Supply, Laying and Termination of following cables including all erection accessories like Lugs, Glands etc. is included in the scope of Bidder, however the mentioned cable length may varies as per site condition and same cable length variation to be supply under bidder scope: - 720m approx	All field cables will be in the scope of HOGPL. Request to kindly exclude supply of cables from scope of bidder.	Tender condition shall Prevail.	
23	-	3.1 & 4.9	144 & 343 of 469	One vent line from gas recovery vessel with double isolation valves shall be provided	Due to safety reason vent line not provided at 3rd stage separator, venting provision is provided at BDV with double isolation valve	Tender condition shall Prevail.	
24	-	3.5 & 4.4	142 & 341 of 469	Seamless steel tubing conforming series 300 SS tubing conforming to ASTM A-269 with minimum thickness as specified in Cl. 7.11 of API-11P shall be used for vent piping.	Pressurized crankcase of compressor block, venting is not applicable hence not considered.	Tender condition shall Prevail.	
25	-	3.8 & 4.7	142 & 341 of 469	Digital no flow switch shall be provided to stop the compressor in case of loss of cylinder lubrication in all stages.	OEM standard, Common Digital No Flow Switch (time based) will be provided. - When there is no – pulse ( from cylinder lubrication - divider block) for certain time interval, the switch toggles & the compressor is tripped on lubrication fault.	Tender condition shall Prevail.	
26	-	3.9 & 4.8	143 & 342 of 469	<b>Inter / After Gas Coolers</b>  Air-cooled inter-stage and final stage discharge coolers shall be provided which shall limit the gas temperature after the after cooler to 52 °C. For calculating the surface area of the air cooler, the ambient air temperature of 47 °C (max.) and 80% RH shall be considered. Cooler design shall be on the basis of 20% excess capacity than required corresponding to suction pr. of 19 kg/cm2 (g). Gas sections of coolers shall be designed as per API-661 requirements. Vibration switch shall be provided on the heat exchanger to trip the compressor on high vibration limit. Bidder shall indicate vibration level in the offer. For cooling of the Heat Exchangers a cooling fan to be provided inside the enclosure(s). Cooling system shall be preferably installed on the same skid as the compressor due to space constraints. Bidder shall submit cooler sizing calculation for review	The approach would be above ambient temperature 10°C. (max. ambient temp. 42°C + 10°C = 52°C). The Gas cooler design shall be such that suitable to the application as per manufacturers design. Gas coolers of the design shall be designed as per ASME-SEC-VIII, as per manufactures satndard design approach same is proven for earlier supplied packages. - Cooler sizing calculation is proprietary, so not feasible to submit..	Tender condition shall Prevail.	
27	-	3.10 & 4.9	143 & 342 of 469	Carbon Steel separators / KOD/volume bottles with auto drain system shall be provided at 1st stage suction and each stage discharge for the capacity as required.	All the separators are with auto drain system rather than manual drain system specially considered for safety reasons. Only ORV with manual drain is considered. Drain system will be timer based as per Manufacture's Proprietary Design Standards offering. Automatic drain valves are provided in each stages, however providing Manual drain valve in pressurized gas system is safety hazard & can cause operational issues. Manual drain valve will only be provided for draining oil in depressurized circuit for draining oil when compressor is in stop condition. We have supplied compressor packages to various CGD companies Gail India, Gail Gas, Green Gas, HOGPL, MNGL, IGL etc. considering safety reasons with similar arrangements and have been successfully running without any O&M issues.	Tender condition shall Prevail.	
28	-	3.14 & 4.14	145 & 347 of 469	Piping	Gas piping/ tubing at 3rd stage diacharge will only be in SS-316, with SS fittings, Rest all piping /tubing will be Combination of Flanged & screwed connections with CS material (pipes, Fittings & Flanges ) as per application requirement & standard design. This is as per manufacturing standard design.	Tender condition shall Prevail.	
29	-	3.14 & 4.14	145 & 347 of 469	Piping	Piping between PRS Skid to Inlet of Compressor Package, air compressor & CO2 piping upto eclosure will be in HOGPL scope, as site to site location is not fixed, hence request to consedered same.	Tender condition shall Prevail.	
30	-	5.0.1 & 5.1.1	31 & 237 of 469	Bidder shall supply air compressor for air required for starting the Gas engine of the CNG compressor Air compressor of capacity 7.5 KW, with discharge pressure approx. 16 kg/cm2g with 1000 water liter capacity air receiver with PRV, air dryer along with all accessories and auxiliaries shall be supplied for each CNG compressor package for gas engine starting and instrument air purpose. Refrigerant type Air dryer suitable for automatic operation shall also be supplied along with all accessories. The air compressor motor shall be provided with 3 phase operation and will be kept in CNG safe area. Piping, electrical & instrumentation cabling shall be in bidder's scope as per scope of supply	As per clause 2.1, 1.5 KW air compressor with 500 WL air reciver capacity will be provided . Air Compressor shall be non flame proof to be installed in safe area. PRV for Air Compressor discharge is not provided since air pressure is maintained in the air receiver tank.	Refer tender condition, it is required 5.5 KW Air compressor of capacity.	
31	-	5.0.2 & 5.1.2	32 & 237 of 469	The Bidder work shall commence from Outgoing terminals of PDB/ACDB/LDB (PDB/ACDB/LDB is in the scope of Owner). Downstream distribution arrangement from the PDB to the CNG Compressor is in the scope of Bidder	All field cables will be excluded from scope of bidder. At this instance any bidder is not aware of the site locations and the exact distances for the cables. Kindly accept.	Tender condition shall Prevail.	
32	-	5.0.2 & 5.1.2	32 & 237 of 469	All drains from different process equipment, distance piece and packing (if bidder's applicable for design) shall be manifold and terminated at single point for customer interface duly flanged with isolation valve. All drains from different process equipment, distance piece and packing shall be manifold and terminated as single point for customer interface duly flanged with isolation valve. Drains should be through a common header and discharge to be allowed in a pit to avoid spillage around compressor package	All the drain is collected in the Oil Recovery Vessel. ORV will be provided mounted inside the package, with a capacity of 20 lts for uninterrupted operation of machine. For all drains single point threaded connection with isolation valve will be provided.	Tender condition shall Prevail.	



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33	-	5.3 & 5.2	154 & 354 of 469	HMI shall be provided with touch screen and operating system software (with minimum all the features of operator panel of model MP277B/TP1200 COMFORT min. 10" graphic display of Siemens/Schneider),	We provide KTP700 which is sufficient as per required application..	Tender condition shall Prevail.	
34	-	6.6.3 & 6.19.27	156 & 368 of 469	Certification:	CCOE or its equivalent certificate (FM, CSA , ATEX, UL, CMRI) whichever applicable & available will be provided.	Noted	
35	-	6.6.6.2 & 5.5	159 & 357 of 469	EARTHING / CABLING	All field cables will be in scope of HOGPL as site to site location changes, kindly accept	Tender condition shall Prevail.	
36	-	8.2.1.1 & 8.20.26	169 & 370 of 469	<b>Mechanical running test (MRT)</b>  The MRT for each compressor shall be carried out with job or shop driver including complete job driving system i.e., job driven V-belt, job pulleys etc., for 4 hours continuously at shop of compressor manufacturer. The compressor need not be pressure loaded for MRT test. During this test following shall be recorded at agreed intervals. - Vibration levels measured on cylinders and frame - Bearing temperature - Oil cooler inlet and outlet temp Subsequent to satisfactory run the compressor shall be examined as per standard procedure & following shall be examined as minimum: - Bore & other parts by opening a valve - Piston & cylinder clearance - Visual examination of position rod, controlled guide bore without dismantling If any of part found damaged, all similar components shall be stripped for inspection. The MRT test shall be repeated after replacement of such parts.	MRT will be carried out as per manufacturer's standard procedures. Reports shall be presented for review to Purchaser / Consultant / TPIA during final String Test of the Complete Package.	Tender condition shall Prevail.	
37	-	8.3 & 8.22	169 & 371 of 469	Mechanical String Test for 4 hrs. shall be performed at packager's shop before dispatch in presence of Purchaser/Consultant. This test can be clubbed up with the Mechanical Run Test of compressor as specified above, provided the job driver, lube Oil system is used for the test. Natural gas shall be used for string test purpose. All parameters including discharge pressure shall be demonstrated. All the interlocking and performance of the instrumentation system will be verified during the MST. String test at unload condition is not acceptable.	Mechanical string test will be carried out on CNG as per manufacturer's standards in presence of Purchaser/Consultant/TPI	Tender condition shall Prevail.	
38	-	5.2 & 6.19.24	166 & 367 of 469	Pressure gauges shall be weatherproof with dial size of min 100 mm and shall have features like screwed bezels, externally adjustable zero, over range protection and blowout discs. Pressure gauge sensing element shall be SS 316 and movement of SS 304, as a minimum	Due to limited space all gauges 63 mm dial size mounted in the gauge panel as all the gauges are centrally located to monitor machine performance from single location. The material selection, certificate & warranty shall be as per OEM standard.	The min. Dial size of pressure gauge shall be 63 mm for compressor package.	
39	-	6.1.2 & 6.21	166 & 366 of 469	All local temperature gauges shall have minimum 100 mm dial size. The bulb size shall be selected to suit the thermos-well.	Due to limited space all gauges 63 mm dial size mounted in the gauge panel as all the gauges are centrally located to monitor machine performance from single location. The material selection, certificate & warranty shall be as per OEM standard.	The min. Dial size of pressure gauge shall be 63 mm for compressor package.	
40	-	3.14 & 4.14	146 & 347 of 469	The instrument air tubing material shall be SS316 as per ASTM A269.	Instrument air tubing shall be SS304.	Tender condition shall Prevail.	
41	-	3.14 & 4.14	146 & 348 of 469	External drain & vent piping shall be Carbon Steel and not less than 1" nominal size.	Package oil drain will be of 1/2" as per manufacturer standard	The Bidder shall provide package drains in accordance with the compressor OEM's design and engineering standard practices, wherever applicable, instead of using the nominal 1" size.	
42	-	5 & 6	162 & 358 of 469	Instrumentation electronics shall be certified by a recognized authority such as BASEEFA, PTB, LCIE, CESI, INIEX, and SMRS or any agency approved by Indian Government	CCOE or its equivalent certificate (FM, CSA , ATEX, UL, CMRI) whichever applicable & available will be provided. All Test ecrtificates will be as per QAP submitted with Technical offer.	QAP is not a part of technical offer. Vendor shall prevail tender condition	
43	-	10	170 & 371 of 469	PAINTING AND PROTECTION	Painting shall be as per manufacturer's standrad procedures. Package enclosure shall be Powder Coated ensuring longer durability in all weather out door installation conditions.	Tender condition shall Prevail.	
44	-	5 & 6.16	164 & 361 of 469	Compressor package shall be provided with the following indicators: i. Pressure indicator each stage suction and discharge. ii. Temperature indicator each stage suction and discharge iii. Oil pressure indicator on each pressure lubrication system iv. Oil levels indicator, field mounted v. Hour meter Vi. Non- resettable electromechanical hour meter on local control panel. vii. Compressor jacket water coolant temperature indicator on local gauge panel viii. Hydraulic oil cooler inlet & outlet temperature on local gauge panel (if required) ix. Hydraulic oil pressures each stage on local gauge panel (if required) The	We shall provide following Indicators on compressor package: All instruments will be finalize after approval of P&ID. i. Pressure indication at each stage suction. ii. Temperature indication at each stage discharge. iii. Oil switch and no flow switch on lubrication system. iv. Oil level gauge on oil tank. v. Hour meter shall be available at HMI. Separate hardware not considered viii. Crankcase oil temperature indication. ix. Low oil pressure protection is provided. Level indicator provided	Yet to be decided after finalisation of P&ID.	

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45	-	1	177 & 377 of 469	Compressor Instrumentation	Instrumentation and Controls will be as per the manufacturer's standard, P&ID will be submitted for approval.	Tender condition shall Prevail.	
46	-	5.13.2	179 & 381 of 469	Engine Instrumentation	Instrumentation and Controls will be as per the manufacturer's standard, P&ID will be submitted for approval.	Tender condition shall Prevail.	
47	-	4.13	346 of 469	For engine driven The Enclosure to restrict maximum noise level to 75 dB (A) at 1 meter from the enclosure.	The enclosure shall restrict maximum noise level to 80 dB (A) ± 3 dB (A) at 1 meter from the enclosure in free field condition.	Vendor should follow as per tender requirement i.e. Noise level at 1 meter from enclosure (required 75 +/-3 dBA max)	
48	-		108 296	SPECIFICATIONS FOR DISCHARGE FILTER Filter Designed : Paint Compatible CE mark in accordance with European Directive for Pressure Equipment, PED ( 97 / 23 / EC ) Are Designed to meet the ATEX European Directive for Explosion Protection , ( 94 / 9 / EC) All natural gas filters in accordance to CE Eex 2GD IIB T6.	Manufacturer's approved two stage discharge filter will be provided, sizing calculation is proprietary name shall not be submit for review/record.Kindy approve manufacturer's standard filter with parker make filter cartridge(Borosilicate Microfibre Fabric).	Subject to submission of the PTR, it may be considered for project-specific approval during the detailed engineering phase.	
49	-		198 396	QUALITY ASSURANCE PLAN	We shall follow our standard QAP as attached herewith. Inspection & Testing will be as per Approved QAP by customer, detail QAP will be submit for approval. Copy of QAP is attached herewith for your reference.	QAP is not a part of Pre-bid evaluation , it will be decide during detail engineering.	
50	-	-	100 288	SPECIFICATION OF GAS DETECTOR Infrared Sensor with Transmitter, with Local Display and Indicator	Gas detector with Local Display and Indicator not considered, For safety reasons, GD readings are purposefully shown only on HMI screen, since in event of gas leakage, it is not recommended for any operator to enter the area where leaked gas is already present. Further, visual indication on HMI, alarm & trip are also provided to take necessary actions without exposing person to hazard.	Tender condition shall Prevail.	
51	-	D	453	Preferred makes	Shall be as per final approved vendor list. Kindly approve below makes :	Subject to submission of the PTR and PESO submission for Ex-electrical components , it may be considered for project-specific approval during the detailed engineering phase.	
52	-			FD	PPS ( pollution protection systems )		
53	-			Ball Valve	PHBB		
54	-			Suction & Discharge Filter	CP / Atlas Copco		
55	-			Instrument manifold,Instrument SS fittings/valves	Baumer		
56	-			Check Valves	Parker		
57	-			Air Line PRV	AIRA EURO AUTOMATION PVT. LTD		
58	General - References	-	-	Wages	HOGPL to Confirm which wages to be consider , State wages or Central wages .	State wages or Central whichever is higher	
59	1. SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.18	17 of 469	Impulse and pneumatic piping/Tubing for all valves, fittings as specified & required for mounting the instruments. Two valve manifold (i.e. Block and bleed valve) /Needle with bleed valves to be provided for Pressure gauges and pressure Transmitters. Flow directions on all tubing/piping to be indicated by arrow.	Please note that As per our standard manufacturing Practice we provide Needle valves for Pressure gauges and pressure Transmitters due to space constraint	Tender condition shall Prevail.	
60	1. SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.29	18 of 469	Separate flameproof junction boxes for different type of signals like analog, digital signals, alarm, shutdowns, and thermocouples, RTDs etc. for interfacing to FLP local panel. Same is not applicable for direct run cable up to PLC panel.	Please note that Local control panel (With PLC) is mounted on package itself hence junction boxes are not required. Instruments will be directly wired to Local control panel. This system is available in all our packages and accepted by all the CGD companies and 400+ CNG compressor are running successfully.	Bidder shall ensure & seperate control & power connection to avoid harmonic effects	
61	1. SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	2.15	20 of 469	Supply, Laying and Termination of following cables including all erection accessories like Lugs, Glands etc. is included in the scope of Bidder, however the mentioned cable length may varies as per site condition and same cable length variation to be supply under bidder scope:	All field cables will be in scope of Client.	Tender condition shall Prevail.	



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62	FIELD TRIAL RUN/ SITE PERFORMANCE TEST	12	172 of 469	Bidder shall conduct a field trial run of each compressor package for minimum 72 hours cumulative or 6 hours' continuous duration near the guaranteed points in which satisfactory operation of complete package together with all accessories/auxiliaries controls shall be established for specified operating conditions prior to the start of Three-year operation and maintenance period as defined in the contract. During the field trial run the bidder will be allowed a maximum of THREE attempts to complete the above-specified test. The Equipment shall be considered commissioned after the successful completion of Field Trial Run.	Since, Full load performance test is carried out at work for 4 hours on guarantee parameters on Natural gas, we request you to consider a 30mins field trial run and also performance test at site.	Tender condition shall Prevail.	
63	SCOPE OF WORK FOR ERECTION & COMMISSIONING	2.14	230 of 469	Supply, Laying & termination of Incoming cable from ACDB to Compressor and further downward distribution is in the scope of the Bidder. Surge protection devices shall be provided in the control panel as per approved make.	All field cables will be in scope of Client.	Tender condition shall Prevail.	
64	SCOPE OF WORK FOR ERECTION & COMMISSIONING	2.15	230 of 469	Bidder shall provide suitable canopy arrangements for Air compressors, air dryer, Co2 flooding system & Priority panel for rain water ingress & sun protection as per site requirements.	Air compressor will be Installed in safe area hence canopy for Air Compressor shall be in the scope of Client.	Tender condition shall Prevail.	
65	SCOPE OF WORK FOR ERECTION & COMMISSIONING	2.22	231 of 469	Vendor has to provide dedicated Mobile phone & number for each site/compressor. Client shall not pay any extra charges towards phone & monthly bills.	Mobile phone & number for each site/compressor shall be under clients scope to be kept in sales room provided by Client.	Tender condition shall Prevail.	
66	SCOPE OF WORK FOR ERECTION & COMMISSIONING	2.23	231 of 469	Vendor should provide Training of site engineers at Purchaser's work premises. The travelling, boarding, and lodging of vendors engineers shall be borne by bidder scope.	Cost of travelling , boarding and lodging of Bidders engineers shall be under clients scope. Although we request you to consider traning on site during commissioning or performance run test.	Tender condition shall Prevail.	
67	SCOPE OF WORK FOR ERECTION & COMMISSIONING	2.44	232 of 469	The bidder shall carry out retesting of pressure vessels periodically i.e., every year or earlier as per Gas Cylinder rules 2016 / Static & Mobile Pressure Vessels Rules (as per latest amendment).	The vessels are part of a process equipment and are to be designed as per ASME Sec VIII. The process vessels have not been covered under Gas Cylinder Rules 2016 / Static and Mobile Pressure Vessels Rules. Retesting is carried out for only storage vessels like cascades. Only a thickness check will be carried out every year. Please note, hydro testing will be in scope of the Client Same is followed in all the CNG packages and with all the CGD companies.	Tender condition shall Prevail.	
68	SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.5	19 of 469	Package mounted Duplex Suction gas filters of filtration level up to 5 micron with oil drain valve & differential pressure gauge and temporary suction inline strainer at the compressor package inlet.	Duplex suction ( part of PRS skid ) filter shall be supplied loose and shall be mounted outside package.	Tender condition shall Prevail.	
69	SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.6	19 of 469	Y- Type strainers/ paper filter, valves, check valves, manual drain/ traps etc. as required for various auxiliary systems i.e. frame lube oil, cooling water systems, fuel supply/conditioning system etc. except for cylinder lubrication system which shall be as per manufacturer standard.	Please note that as per Manufacturer's standard practice the lubricator will be divider block type. Y type strainers, Sight flow indicators for each lubricator point and a double ball check valve are applicable for Single Plunger per point lubricator, thus not offered.	Tender condition shall Prevail.	
70	Allowable speeds, temperature and vibration levels	3.3	141 of 469	Compressor maximum vibrations of cylinders shall not exceed 10 mm/sec. unfiltered peak velocity. Maximum Vibration level of installed compressor frame shall not exceed an unfiltered peak velocity of 5 mm/sec. or 200 micron unfiltered peak to peak vibration whichever is less. The Bidder shall provide for all structural support within the package so that these levels can be achieved.	Will be as per manufacturer's standard, the same shall be discussed during detailed engineering.	Tender condition shall Prevail.	
71	Separators & Oil Removal System	3.10( vii.)	144 of 469	One vent line from gas recovery vessel with double isolation valves shall be provided	Vent line is not recommended by OEM due to safety hazard, kindly accept, the same shall be discussed during detailed engineering.	Tender condition shall Prevail.	
72	Allowable speeds, temperature and vibration levels	4.2	340 of 469	The linear piston speed shall be limited to 4 m/sec for non-lubricated compressors and 4.5 m/sec for lubricated compressor.	Will be as per manufacturer's standard, the same shall be discussed during detailed engineering.	Tender condition shall Prevail.	
73	Enclosure of CNG Compressor Package	3.13(15para)	145 of 469	Suitable gradients shall be provided on the enclosure roof for rain drainage and to avoid water pockets.	Considering mounting for engine silencer on roof on canopy , same is not advised.	Tender condition shall Prevail.	
74	Scope of Supply & services during post warranty period	10.1.3.1(13 para)	249 of 469	The Bidder shall carryout calibration of gas detectors and flame detectors in every year or earlier as per requirement or instruction of EIC of HOGPL. Also yearly calibration of all instruments such as pressure gauges, transmitters, switches, mass flow meters etc. shall be in the scope of the Bidder. In addition to the above all safety relief valves shall also be tested and calibrated every year.	For mass flow meters, field calibration shall be carried out. FCRI calibration shall be in Client scope.	Tender condition shall Prevail.	
75	Cooling System	4.8(4 para)	342 of 469	Cooler design shall be on the basis of 20% excess capacity than required corresponding to suction pr. of 19 kg/cm2 (g).	We shall design the interstage and final stage discharge cooler for outlet temperature of +10 Deg C from ambient temperature. The cooler design shall be on the basis of 20% safety based on thermal duty at design suction pressure condition and the suitability of this area shall be checked for the most severe condition corresponding to suction pressure. This is our standard design practice and we follow this for all our CNG packages. Kindly confirm your acceptance.	Tender condition shall Prevail.	

<div></div> <div>Energising Quality</div>		<div>REPLY TO BIDDER'S PRE-BID QUERIES</div> <div>ANNUAL RATE CONTRACT FOR PROCUREMENT OF ELECTRIC MOTOR DRIVEN AND GAS ENGINE CNG COMPRESSOR PACKAGE (1200 SCMH) FOR CITY GAS DISTRIBUTION (CGD) PROJECT AT NAGALAND STATE GAS</div> <div>TENDER NO. HOGPL/VCS/2025-26/C&amp;P-NL/ARC/COMP/009</div> <div>VCS REFERENCE NO. VCS/HOGPL/PRC/2025/001</div>				VCS REFERENCE NO.: VCS/HOGPL/PRC/2025/001	<div></div> <div>HPOIL GAS</div>
						Owner: HPOIL Gas Private Limited	
						Consultant: VCS Quality Services Pvt Ltd.	
						Date: 31.07.2025	
						Pre-bid meeting held on : 21.07.2025	
Sl. No.	REFERENCE OF BIDDING DOCUMENT No.				Bidder's Query/Clarification	HOGPL/VCS Reply	
	Tender Sec.No.	Tender Clause No.	Tender Page No.	Tender specification / Clause Description			
76	Pulsation, Vibration Control and Analog Study	4.1	343 of 469	Pulsation, Vibration Control and Analog Study	Please note that pulsation suppressor devices for CNG compressors are standarized in design. Order specific pulsation study is not carried out.	Tender condition shall Prevail.	
77	Notes of General Datasheets	Notes of General Datasheets	322 of 469	two Set of licensed system software shall be supplied	Request you to please confirm if the application software for PLC & HMI is required per compressor or along with complete set of compressors. We will provide licenced software per GA basis.	Tender condition shall Prevail.	
78	Enclosure of CNG Compressor Package	4.13 (4 para)	346 of 469	The enclosures shall have doors for normal access and suitable for ease of maintenance.	The enclosures shall have hinged doors insteadd of removable panels. Please confirm your acceptance.	Tender condition shall Prevail.	
79	6. INSTRUMENTATION	6(q)	360 of 469	Vendor shall calibrate each Mass Flow meter at his shop or any recognized test house with the fluid (Use design process conditions) for which it is to be used as per Clause no.9 of MPMS (Draft standard Nov. 2000). In case it is not possible to calibrate the Mass Flow meter with actual fluid. Vendor must indicate: i. Fluid used for calibration ii. Correction factor/Adjustment required for actual process fluid. In any case, inaccuracy when extended to actual process shall not exceed the specified limits (as per manufacturer's standard)	We will do only zero calibration of MFM at site. Any other calibration require from external agency or any Master calibration require at site during CMC will be in Client/Purchasers scope.	Tender condition shall Prevail.	
80	SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.29	18 of 469	Separate flameproof junction boxes for different type of signals like analog, digital signals, alarm, shutdowns, and thermocouples, RTDs etc. for interfacing to FLP local panel. Same is not applicable for direct run cable up to PLC panel.	Please note Local control panel (With PLC) is mounted on package itself hence junction boxes are not required. Instruments will be directly wired to Local control panel	Bidder shall ensure & seperate control & power connection to avoid harmonic effects	
81	SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.4	18 of 469	Inlet twin suction gas filter with operating pressure 19 to 40 Kg/cm2g and design pressure 49 Kg/cm2g (of filtration level up to 5 microns with oil drain valve & DP gauge and suction line conical strainer at 1st stage and at other stage if required..	Please note Duplex suction gas filter with oil drains and temporary suction inline strainer will be placed outside the package as the compressor package inlet. This system is available in all our packages and accepted by al the CGD companies and 600+ CNG compressor are running successfully.	Tender condition shall Prevail.	
82	SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.14	224 of 469	Separator/ Knockout drums/volume bottles with solenoid valve operated auto drains as required. Bypass valves for automatic drain system shall be as per manufacturer's recommendation.	The proposed CNG package has suction volume bottle at each stage and discharge volume bottle at final stage discharge only. The volume bottles at suction are connected to condensate drain system through auto-drain & Manual drain system. These volume bottles shall act as scrubbers/ condensate removal system. No separate KODs shall be supplied. Isolation valve is mounted in upstream of auto drain valve.This is our standard design offered in all our CNG packages. Please confirm your acceptane.	Tender condition shall Prevail.	
83	SCOPE OF WORK FOR SUPPLY OF PACKAGE EQUIPMENTS	1.45	226 of 469	Y- Type strainers/ paper filter, valves, check valves, manual drain/ traps etc. as required for various auxiliary systems i.e. frame lube oil, cooling water systems, fuel supply/conditioning system etc. except for cylinder lubrication system which shall be as per manufacturer standard.	Please note that as per Manufacturer's standard practice the lubricator will be divider block type. Y type strainers, , check valve etc are applicable for Single Plunger per point lubricator, thus not applicable. This is our propreitory desing and installed in almost 600 + CNG compressor all over india and are running successfully.	Tender condition shall Prevail.	
84	Safety	2.2.8	331 of 469	Relief Valves shall be provided at suction and discharge and in between inter stages of compressor with setting as per cl. 11.18.5 of ISO 13631:2002 with R.V. venting as per cl. 11.18.6 of ISO 13631:2002. All vented lines to be connected to common relief valve header.	Please note that as per Manufacturer's standard practice, Relief valve will be provided on BDV and each stage discharge. Please confirm your acceptance.	Tender condition shall Prevail.	
85	Cooling System	4.8 (4)	342 of 469	Cooler design shall be on the basis of 20% excess capacity than required corresponding to suction pr. of 19 kg/cm2 (g).	We shall design the interstage and final stage discharge cooler for outlet temperature of 60degC. considering ambient temperature of 50degC. The cooler design shall be on the basis of 20% safety based on thermal duty at design suction pressure condition and the suitability of this area shall be checked for the most severe condition corresponding to suction pressure. This is our standard design practice and we follow this for all our CNG packages. Kindly confirm your acceptance.	Tender condition shall Prevail.	
86	Pulsation, Vibration Control and Analog Study	4.1	343 of 469	Pulsation, Vibration Control and Analog Study	Please note that Pulsation suppressor devices for CNG compressors are standardized in design. Order specific pulsation study is not carried out.	Tender condition shall Prevail.	
87	Enclosure of CNG Compressor Package	3.13(5)	145 of 469	The enclosures shall have doors for normal access for ease of maintenance of all the components.	The enclosure shall have hinged doors instead of removable panels. Please confirm your acceptance.	Tender condition shall Prevail.	
88	Separators & Oil Removal System	5 (vii)	144 of 469	One vent line from gas recovery vessel with double isolation valves shall be provided	Please note that as per our standard manufaturer practice,we have provided Single isolation valve instead of double isolation at each stage seperator drain	Tender condition shall Prevail.	
89	General Notes	General notes	322 of 469	Two copies of application program and two Set of licensed system software shall be supplied.	Request you to please confirm if the application software for PLC & HMI is required per compressor or along with complete set of compressors.	Tender condition shall Prevail.	

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90	LIST OF RECOMMENDED VENDORS		455 of 469	7.0 ORIFICES	Kindly Accept M/s. Wika	Subject to submission of the PTR and PESO submission for Ex-electrical components ,it may be considered for project-specific approval during the detailed engineering phase.		
91	LIST OF RECOMMENDED VENDORS		457 of 469	13.0 PRESSURE SAFETY VALVES	Kindly Accept M/s. Nirmal Industires			
92	LIST OF RECOMMENDED VENDORS		458 of 469	15.0 JUNCTION BOXES AND CABLES GLANDS	Kindly Accept M/s. Sudhir			
93	BIDDER EVALUATION CRITERIA	9.1.2	11 of 89	The Bidder should have successfully completed at least two (02) similar supply of 1200 SCMH Flame proof (FLP) Motor driven CNG reciprocating compressor package during last 05 years as a supplier reckoned from date of submission of tender documents.	we are an experienced Gas Compressor company and have years of experience of supplying more than 1000 gas compressors on various gases including CNG, Biogas, H2, Oxygen, Mixed Gases, HC's etc. We have supplied more than 450 Daughter Booster Compressors and more than 300 of them are running in field satisfactorily. We have PESO approved 'GEO Series' CNG online Compressor Packages and we have supplied 1 no. 600 SCMH VIP cum online CNG Compressor package running satisfactorily in Haryana, India. We request HP Oil & Gas to kindly consider relaxing the BEC cl. 9.1.2 to one no. of min. 600 SCMH CNG online compressor	Tender condition shall Prevail.		
94	BIDDER EVALUATION CRITERIA	9.1.7	12 of 89	The Bidder should have successfully completed at least two (02) similar supply of 1200 SCMH Gas engine driven CNG reciprocating compressor package during last 05 years as a supplier reckoned from date of submission of tender documents	We are an experienced Gas Compressor company. We request HP Oil & Gas to kindly consider our experience of supplying min. 600 SCMH & above capacity natural gas compressor running with Gas Engine. Incidentally we have supplied Natural Gas Engine Driven Compressor Package running with Cummins GTA 855 engine and compressor is also same, our 'GEO series' which shall be used in offered 1200 SCMH Gas Engine driven compressor packages	Tender condition shall Prevail.		
95	BIDDER EVALUATION CRITERIA	9.1.8	12 of 89	The bidder should have supplied and commissioned Gas engine driven CNG reciprocating compressor package having minimum flow capacity of 1200 SCMH in any City Gas Distribution Company in India.	we have supplied same compressor package using identical engine model & make as that of offered make for Upstream Gas application. Kindly consider our experience	Tender condition shall Prevail.		
96	BIDDER EVALUATION CRITERIA	9.1.10	12 of 89	The Bidders must provide certificates from the end user, or from a consultant duly authorized by the end user, confirming satisfactory performance, operation, and maintenance service for a period of not less than one year. This experience should be for at least one (1) unit of minimum flow capacity of 1200 SCMH Gas engine driven CNG Reciprocating compressor package, either directly or through authorized service agencies, within the last 7 (seven) years reckoned from the date of floating of E-Tender .	IN case one year running experience is not available, bidders should be qualified based on supply record & their payment terms can be special like the recent tender from GAIL India, tender copy enclosed	Tender condition shall Prevail.		
98	Control Philosophy Technical specifications	5.1.6	147 of 469	The above data will be viewed / analyzed offline (during shut down of compressor) or online through dedicated SCADA port (Ethernet / RS 485) on client's Laptop/ Local PC/laptop to be supplied by bidder	We understand that supply of Laptop is not in bidder scope as there is no separate line item in SOR.  Please confirm.	Tender condition shall Prevail.		
99	Control Philosophy Technical specifications	5.1.2.4	348 of 469	Compressor Package .....All source & ..... during detailed engineering. Provision shall be made that the same can be viewed on client's Laptop/ additional laptop to be supplied by the bidder.				
100	Control Philosophy Technical specifications	5.1.2.5	350 of 469	The above data will ..... online through dedicated SCADA port (Ethernet / RS 485) on client's Laptop/ Local PC/laptop to be supplied by bidder.				
101	DATA AND DRAWING Technical specifications	14 (f)	173 of 469	Along with the supply of each compressor package, the supplier shall provide software for PLC & HMI, ladder logic and software authorization password/license in two sets.	We understand that one set of software shall be required for each group. Please confirm if our understanding is correct.	Tender condition shall Prevail.		
Note: This Reply to bidders queries shall form an integral part of the bidding document and shall be signed/stamped and submitted along with the bid. All other terms and conditions of tender documents shall remain un-changed.								