#### **CORRIGENDUM - V**



### SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE OF 600 SCMH ELECTRIC MOTOR DRIVEN CNG COMPRESSOR PACKAGES

Date: 06.01.2025

#### TENDER DOCUMENT NO. IGL/ET2/CP/CC18272

S. No.	Description	Tender Page No.	Clause/ Para/ Section	Amendment/Addition/Modification/etion			
1	SOR item no. 3.1.5 i.e. Operation charges for 5th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)		Section-VI – Schedule of Rates		IGL Offered Rate to be read as Rs. 862/- instead of Rs. 860/ Revised SOR is attached with this corrigendum.		



FOR
SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE OF 600
SCMH ELECTRIC MOTOR DRIVEN CNG COMPRESSOR PACKAGES

			SCMH ELECTE	CIC MOTOR DR	IVEN CNG COMPRESSOR	CPACKAGES					
	Na	ame of bidder:									
		Currency:	INR								
Item Sr. No.	Brief Description	Unit	HSN Code	Quantity	Basic Unit including Freight, Packing and Forwarding & Inspection charges except GST (Ex- Works basis)	GST On Column 2 in %		Total Price inclusive of all applicable taxes (1) * (4)	NPV (Net Present value)		
				1	2	3	4	5	6		
A	SUPPLY PORTION										
1.0	SUPPLY- MOTOR DRIVEN 600 SCMH CNG COMPRESSORS AND ITS ASSOCIATED AUXILIARIES (SUPPLY)										
1.1	Design, Engineering, Manufacturing, String test, Supply including packaging and forwarding, insurance, loading and unloading of Skid mounted ELECTRIC MOTOR DRIVEN reciprocating compressor package with discharge flow capacity of 600 SCMH at the specified conditions (as per technical specification and scope of work) with explosion proof electric & control panel having suction pressure of 16 kg/cm2(g), intel line pressure range of 14 – 49 kg/cm2(g) (performance range 14 to 19 kg/cm2(g) with discharge pressure 250 kg/cm2(g) with 7 bank Priority panel along with all special tools and tackles required for erection and commissioning. The package shall be inclusive of: a) String test of complete compressor package along with gas engine and accessories at packagers' factory. b)Design, Engineering, Manufacturing, Supply including packaging and forwarding, insurance, custom clearance, handling, loading and unloading at port and delivery & unloading at Client's store / site of 1.5 KW(min) electric motor driven air compressors with dryer and 500 water litre capacity air receiver complete with all accessories and auxiliaries as required. c)Transportation of ELECTRIC MOTOR DRIVEN 600 SCMH CNG COMPRESSOR packages from bidders works to respective location including Freight Charges, insurance, handling, loading, unloading and any other incidental expenses for delivery at Client's store / site.	Nos.		26			Not Quoted	Not Quoted	To Be Evaluate		
	Total of Supply- {A}							Not Quoted	To Be Evaluat		
В.	TRANSPORTATION	Unit	SAC Code	Quantity	Unit Rate except GST	GST On Column 2 in %	Unit Price inclusive of all applicable taxes (2) * {1+(3)}	Total Price inclusive of all applicable taxes (1) * (4)	NPV (Net Present value)		
1.2	Re-transportation of packages if delivered at store to respective site including loading & unloading within the same GA	Nos.		7			Not Quoted	Not Quoted	To Be Evaluate		
	Total of Transportation {B}							Not Quoted	To Be Evaluate		
C	SERVICES - Common for all Locations										
2.0	INSTALLATION, COMMISSIONING, TESTING	Unit	SAC Code	Quantity	Unit Rate except GST	GST On Column 2 in %	Unit Total charges inclusive of taxes (2) * {1+(3)}	Total Charges inclusive of taxes (1) * (4)	NPV (Net Present value)		
2.1	Installation, commissioning & Field performance test of Compressor Package including all accessories/ equipment(s) i.e. air compressor, CO2 flooding system etc. system at site.	Nos.		26			Not Quoted	Not Quoted	To Be Evaluat		
	Sub-Total for Services {C}							Not Quoted	To Be Evaluate		
3.0 (D)	SERVICES FOR OPERATIONS & COMPREHENSIVE MAINTENANCE										



Tender no. IGL/ET2/CP/CC18272

# FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE OF 600 SCMH ELECTRIC MOTOR DRIVEN CNG COMPRESSOR PACKAGES

	N												
Currency:					INR								
3.1 (D1)	ITEMS FOR OPERATIONS (per shift of 8hrs)	Unit	IGL Offered Rate (INR) (7)	SAC Code	Quantity	Unit Rate except GST (only additional charges (per-shift) payable over and above minimum wages of workmen (Semi- skilled labour) are to be quoted by bidders).	GST On Column (2) & (7) in %	Unit Price inclusive of all applicable taxes {(2)+(7)} * {1+(3)}	Total Charges inclusive of taxes (1)*(4)	NPV (Net Present value)			
3.1.1	Operation charges for 1st year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862		28470			Not Quoted	Not Quoted	To Be Evaluated			
3.1.2	Operation charges for 2nd year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.3	Operation charges for 3rd year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.4	Operation charges for 4th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.5	Operation charges for 5th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.6	Operation charges for 6th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.7	Operation charges for 7th year i.e., during Warranty period per shift of 8hrs(26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.8	Operation charges for 8th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.9	Operation charges for 9th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
3.1.10	Operation charges for 10th year i.e., during Warranty period per shift of 8hrs (26 packages X 3 shifts X 365 days = 28470 shifts)	Nos. of shifts	862	Enter HSN/SAC Code	28470	Enter Unit Rate for 1st Year at 3.1.1 only	Enter GST for 1st Year at 3.1.1	Not Quoted	Not Quoted	To Be Evaluated			
	TOTAL OF OPERATION CHARGES								Not Quoted	To Be Evaluated			
3.2 (D2)	ITEMS FOR COMPREHENSIVE MAINTENANCE - Common for all locations for Compressor Package (including air compressor), inclusive of all manpower, spare parts, lubricants and consumables etc.	U	nit	SAC Code	Quantity	Unit Rate all inclusive except GST	GST On Column 2 in %	Unit Price inclusive of all applicable taxes (2) * {1+(3)}	Total Charges inclusive of taxes (1)*(4)	NPV (Net Present value)			
3.2.1	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 1st year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc.  (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine	e Months		312			Not Quoted	Not Quoted	To Be Evaluated			



FOR
SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE OF 600
SCMH ELECTRIC MOTOR DRIVEN CNG COMPRESSOR PACKAGES

	SCMH ELECTRIC MOTOR DRIVEN CING COMPRESSOR PACKAGES								
	Na	me of bidder:							
		Currency:	INR						
3.2.2	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 2nd year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc.  (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated
3.2.3	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 3rd year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc.  (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated
3.2.4	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 4th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc.  (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated
3.2.5	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 5th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc. (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated
3.2.6	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 6th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc. (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated
3.2.7	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 7th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc.  (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated
3.2.8	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 8th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc.  (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated



# FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE OF 600 SCMH ELECTRIC MOTOR DRIVEN CNG COMPRESSOR PACKAGES

			SCMH ELECTR	IC MOTOR DRI	IVEN CNG COMPRESSOR	PACKAGES				
	Na Na									
	Currency:			INR						
3.2.9	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 9th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc. (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluated	
3.2.10	Lump sum repair & comprehensive maintenance charges (excluding the scope covers under warrantee) per Compressor Package including air compressor for 10th year during warrantee period in all Geographical Areas of IGL inclusive of all manpower, spare parts, lubricants and consumables etc. (26 packages X 12 Months = 312)  Note: Fixed annual maintenance in terms of percentage of unit rate of Item no. 1.1+2.1 quoted by the bidder shall be in the range of 04% to 8%.	Machine Months	Enter HSN/SAC Code	312	Enter Unit Rate for 1st Year at 3.2.1 only	Enter GST for 1st Year at 3.2.1 only	Not Quoted	Not Quoted	To Be Evaluate	
	TOTAL OF COMPREHENSIVE MAINTENANCE CHARGES							Not Quoted	To Be Evaluated	
	Total of OPERATIONS & COMPREHENSIVE MAINTENANCE (D1 +	D2)						Not Quoted	Not Quote	
4.0 (E	Value of Gas Loss & Energy Consumption									
4.1 (E1)	Package Gas Loss  F = G x H x I x N x W Where, F = Loading amount for Gas Loss in Rs.  G = Vent/Leakage rate quoted in percentage  H = Cost of Natural Gas per Kg @ Rs. 54/- per kg  I = Avg. no. of running hours per year i.e. @ 5475 hours  N = Number of machines  W = 429 Kg/Hr for 600 SCMH		G = Vent/ Leakage rate (to be quoted by bidder in percentage)	N = Number of machines	H = Cost of Natural Gas per Kg @ Rs. 54/- per kg	I = Avg. no. of running hours per year i.e. @ 5475 hours	W = 429 Kg/Hr for 600 SCMH	Package Gas Loss (F)	Package Gas Loss (F)	
4.1.1	Package Gas Loss for 1st year			26	54	5475	429	Not Quoted	To Be Evaluate	
4.1.2	Package Gas Loss for 2nd year			26	54	5475	429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 3rd year			26	54	5475	429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 4th year			26	54	5475	429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 5th year			26	54	5475	429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 6th year			26	54	5475	429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 7th year			26	54	5475	429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 8th year			26	54 54	5475 5475	429 429	Not Quoted	To Be Evaluate	
	Package Gas Loss for 9th year  Package Gas Loss for 10th year			26 26	54	5475	429	Not Quoted Not Quoted	To Be Evaluate To Be Evaluate	
4.1.10	Total of Package Gas Loss for 10 years			20	34	3473	429	Not Quoted	To Be Evaluate	
								110t Quoteu	10 De Evaluate	
4.2 (E2)	Energy Consumption  F = G x H x I x N  Where, F = Loading amount for Energy Consumption in Rs.  G = Bidder's Energy consumption rate quoted in KWH for every 600 SCMH (429Kg/Hr) of CNG produced  H = Cost of Energy @ Rs. 12/ KWH  I = Avg. no. of running hours per year i.e. @ 5475 hours  N = Number of machines		G = Bidder's Energy consumption rate quoted in KWH for every 600 SCMH (429 Kg/Hr) of CNG produced	N = Number of machines	H = Cost of Energy @ Rs. 12/- per KWH	I = Avg. no. of running hours per year i.e. @ 5475 hours		Energy Consumption (F)	Energy Consumption (F)	
4.2.1	Energy Consumption for 1st year			26	12	5475		Not Quoted	To Be Evaluate	
4.2.2	Energy Consumption for 2nd year			26	12	5475		Not Quoted	To Be Evaluate	
	Energy Consumption for 3rd year			26	12	5475		Not Quoted	To Be Evaluate	
	Energy Consumption for 4th year			26	12	5475		Not Quoted	To Be Evaluate	
	Energy Consumption for 5th year			26	12	5475		Not Quoted	To Be Evaluate	
	Energy Consumption for 6th year			26	12	5475		Not Quoted	To Be Evaluate	
	Energy Consumption for 7th year			26	12	5475		Not Quoted	To Be Evaluate	
	Energy Consumption for 8th year			26	12	5475		Not Quoted	To Be Evaluate	
4.2.9	Energy Consumption for 9th year			26	12	5475		Not Quoted	To Be Evaluate	



FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND COMPREHENSIVE MAINTENANCE OF 600

	an ISO 9001, ISO 14001 & OHSMS 45001 certified company	SCHH ELECTRIC MOTOR DRIVEN CNG COMPRESSOR PACKAGES								
		Name of bidder:							,	
		Currency:	INR							
4.2.10	Energy Consumption for 10th year			26	1	2	5475		Not Quoted	To Be Evaluated
	Total of Energy Consumption for 10 years								Not Quoted	To Be Evaluated
	Total of Package Gas Loss & Energy Consumption for 10 years (E1-	-E2)							Not Quoted	To Be Evaluated
	GRAND TOTAL for complete scope {A+B+C+D+E}								Not Quoted	To Be Evaluated
GR	GRAND TOTAL of Quoted Price for complete scope (except Value of Gas Loss & Energy Consumption) {A+B+C+D}								Not Quoted	To Be Evaluated
Note:										
1	Scope of Supply, Work and other terms and conditions are strictly as per bid document.									
2	Bidder to clearly indicate 'Quoted' / 'Not Quoted' against each SOR line item in the price colu	mn in the un-priced Schedule of	Rates and submit	the same in Un-pri	ced part of the bi	d. Bidder to	submit Price part	of above Schedule of Rate	es in their Priced Bid.	
3	Bidder must quote the price in Schedule of Rates format only. Bid submitted with changed for	rmat / description is liable to be	rejected.							
4	Bidder to quote price for each SOR line item. '0' or 'included' should not be mentioned.									
5	Quoted rates are firm and fixed till complete execution of the entire contract.									
6 Purchaser reserves the right to decrease/increase the Scope of Work as per provision of Bid document before & after award of contract.										
	Bidder must quote for complete scope as detailed in the bid document, bids submitted for part	t scope shall be considered as no	on-responsive and	liable to be rejected	1.					
	Prices quoted at column 5 are all inclusive of applicable taxes.									
1 0 1	Operations charges in SOR are to be quoted for one shift only.									
	Bidder will be paid operation charges of single operator only if both the compressor packages									
	For Comprehensive Annual Maintenance Contract (CAMC), fixed charges for 1st year to be considered within the range of 4% to 8% of unit Ex-works price including Installation, Commissioning & Field Performance Test and Transportation Charges. If bidder quotes lesser or higher price then the prescribed range of CAMC, than the bids will be liable to be rejected.									er or higher price then
11	the prescribed range of CAMC, than the bids will be liable to be rejected.  Please note that prevailing minimum wages of Rs. 862 per shift has been considered for Operations portion of this tender.  Note: Minimum wage component is indicated in SOR for reference purpose only, however, minimum wages (prevailing at the time of execution) of respective state/ Central (whichever is higher) shall be payable to workmen engaged for operations on actual basis.  Bidder shall be quoting additional charges (which shall include but not limited to – Uniform charges, conveyance, PPE, Mobile, ID card & Profit of margin of bidder) over & above min. wage component. The minimum wage component shall not be considered in evaluation & comparison of bids and only additional charges shall be considered for calculation of NPV.									