



## **GAIL GAS LTD**

(A wholly owned subsidiary of GAIL (India) Limited)

### **CNG AND CITY GAS DISTRIBUTION PROJECT**

#### **BID DOCUMENT FOR LCV HIRING VOLUME – II OF II (TECHNICAL)**

**(BID DOCUMENT NO: 110290/WGI/GAIL GAS/16-R3)**

**LIMITED DOMESTIC COMPETITIVE BIDDING**



**DELIVERS. EVOLVES.**

WHOLE LIFE SOLUTIONS FOR PIPELINE AND SUBSEA SYSTEMS

**ISSUED BY**

**JP KENNY**





**GAIL GAS LIMITED  
CITY GAS DISTRIBUTION PROJECT**



<b>TECHNICAL SPECIFICATION FOR HIRING OF LIGHT COMMERCIAL VEHICLE (LCV) FOR TRANSPORTATION OF CNG CASCADES</b>	<b>CLIENT JOB NO.</b>	-
	<b>TOTAL SHEETS</b>	04

<b>DOCUMENT NO</b>	11	0290	02	09	02	001
--------------------	----	------	----	----	----	-----

REV	DATE	DESCRIPTION	PREP	CHK	APPR
1	29/12/09	ISSUED FOR APPROVAL	AP	SB	SB
0	21/10/09	ISSUED FOR CLIENT COMMENTS	AP	SB	SB

**TECHNICAL SPECIFICATION FOR HIRING OF LIGHT COMMERCIAL VEHICLE (LCV) FOR TRANSPORTATION OF CNG CASCADES**

**A. General**

Transport services are required for transporting of CNG cascades from “Mother / Online Stations” to “Daughter Booster Stations”. The approx. number of LCV required are defined in scope of work. However, the LESSOR can increase the number of LCV as per his requirement. The carrying payload capacity of LCV shall be about 6.0 tons. CNG cascades mounted on Light Commercial Vehicles (LCVs) shall be filled from Mother Station for transporting to consumers.

**B. Specification**

The scope services of CNG transport services shall in general consist of but not limited to the following scope of services.

1. LCVs should be of latest model, not more than two year old and in perfect running condition. Necessary documents in this regard have to be provided by the CONTRACTOR at the time of submission of bid. The LCVs can be arranged through long-term hire CONTRACT basis. The document for such arrangement shall also be furnished along with bid document. Such LCV shall be provided with two earthing connections and filled with a spark arrestor on the exhaust.
2. LCVs offered by the CONTRACTOR should be fit for 6.0 tons payload capacity. GGL shall arrange CNG mobile cascades. The cascades shall be securely mounted on LCV chassis with nut and bolts. The mounting nuts and bolts should not become loose during normal operation. These cascades then transport CNG from Mother stations to consumers.
3. All material required for securely mounting the cascades and crane services required for loading and unloading of cascades have to be arranged by the CONTRACTOR at his own cost.
4. Driver of the LCV shall make / remove the quick release coupling connection at the CNG stations, operate the Cascades Manifold valves. Check and record the cascade pressure at CNG stations and consumers. For doing these jobs in a safe manner, the driver has to be trained in any CNG station of GGL before actual deployment to drive the cascade mounted LCVs.
5. The CONTRACTOR shall bear the entire operational cost of the vehicle for transportation of CNG in cascades, which shall include but not limited to the following:
  - a. Salary and other emoluments for the driver & supervisors
  - b. Cost of fuels, brake oil and lubricating oil required for operation of the vehicles.
  - c. Maintenance and repair cost of the vehicles.
  - d. Licenses, permits, road tax, insurance including 3rd party insurance and any other statutory levies
  - e. Separate Insurance (in favour of GAIL GAS Limited) for Cascade of approx. value Rs.10.0 lakhs shall be taken by the LCV contractor;.
6. The CONTRACTOR shall operate their vehicles at their own risk entirely and GGL shall in no case be held responsible for any damage to the vehicles while on GGL work. The CONTRACTOR shall maintain the vehicles in sound mechanical condition at all times.
7. The CONTRACTOR shall ensure the safe and correct delivery of CNG at the nominated destinations in the same condition in terms of quality and quantity as FILLED. Any infringement of the above will be deemed as unlawful and GGL will hold the CONTRACTOR legally responsible for the same. Additionally GGL also reserves the right in such an event, to forthwith terminate the CONTRACT and / or to impose penalties on the CONTRACTOR as GGL may deem fit.
8. The CONTRACTOR shall mobilize the transport services before commissioning of station.

	<p><b>TECHNICAL SPECIFICATION FOR HIRING OF LIGHT COMMERCIAL VEHICLE</b></p>	Document No.	Rev
		11-0269-02-09-02-001	0
		Sheet 2 of 4	

9. The LCV shall have mobile with the driver for communication. In case the CONTRACTOR fails to provide this facility, GGL shall make alternate arrangement and make the system operational and necessary payments in this regard shall be made directly to the service provider after deducting such amount from the bills of the CONTRACTOR.
10. Wet leasing charges shall include services of Drivers for 24 hours in a day for all days in all the vehicles. No driver shall be allowed to work for more than 12 hours in a day.
11. The mobilized fleet shall be fitted with spark / flame arrestor of a design approved by Chief Controller of Explosives and provided with wheel jack, tool kit, and spare wheel.
12. The mobilized fleet shall be painted as per color code and description provided by GGL in addition to the statutory display requirements to carry CNG. The CONTRACTOR shall be responsible for providing suitable signboards / display boards during LCV movement on road or in parked condition. Each LCV to paint rear and side panels for display of company name and logo in combination to fulfill the requirements of display of under rules 130 to 137 of Central Motor Vehicles Rules 1989.
13. Painting of the color codes and all other statutory display have to be done by the CONTRACTOR at his own cost before deploying the vehicles for carrying CNG cascades.
14. CONTRACTOR shall securely mount the CNG cascade and make all necessary mounting arrangement including hiring of crane for lifting and handling of CNG cascades, supply of 'U' bolts and nuts for anchoring cascades frame to chassis and installation of necessary supporting stiffener at requisite positions. The complete job of mounting CNG cascade to the satisfaction of the Engineer-in-Charge shall be completed within one day of issue of the cascade.
15. Technical specifications / dimension of client's supplied CNG cascade to be mounted on the LCV are as approx as follows:
 

Water liter capacity	:	3000 lit
Length x Width X Height:	:	5.5m x 2 m x 1.6 m
Cascade weight with CNG	:	6.0 ton
16. Fire extinguisher (DCP / CO2) for each LCV shall be supplied and mounted on LCVs as per the directions of Engineer-in-charge. The cost of supply and fabrication of steel material for mounting the extinguishers shall be borne by the CONTRACTOR.
17. Payment of all taxes, duties, pathkar, octroi, service charges etc. on the LCV as per statutory requirements shall be borne by the CONTRACTOR.
18. CONTRACTOR shall indemnify company for any action under Motor Vehicle Act.
19. Transport services shall be provided round the clock on designated routes and as per the schedule given by Engineer-in-charge on all days. Transport on all days. Transport services shall be governed as follows:
  - a. Disconnect the quick connect coupling of the cascade after proper de-pressurization of the hose, as soon as storage pressure falls to a level decided by the Engineer-in-charge and transport the cascade to Mother / filling stations.
  - b. Connect the cascade with the filling hose by connecting quick connect coupling available at mother stations for refilling.
  - c. Transport the filled mobile cascades from Mother / filling stations to daughter stations and connect to compressor through quick connect coupling.
  - d. Each LCV shall be provided with a logbook and the pressure level in the mobile cascade in each bank, time, station name etc. to be filled at commencement of each trip. Opening and closing reading of the mileometer have to be noted in the logbook. Driver shall also record any leakage, burst disc failure during the trip. The logbook has to be signed by station manager / technician for each trip and countersigned by control room shift in charge of GGL daily.

	<b>TECHNICAL SPECIFICATION FOR HIRING OF LIGHT COMMERCIAL VEHICLE</b>	<b>Document No.</b>	<b>Rev</b>
		<b>11-0269-02-09-02-001</b>	<b>0</b>
	<b>Sheet 3 of 4</b>		

- e. Daily filling & dispatch statement has to be prepared by the CONTRACTOR and the same has to be submitted daily at the respective control rooms of GGL by 8AM daily.
- 20 The LCV driver's attendants shall wear uniform and shoes at the time of duty. Drivers have to maintain the discipline and decorum in the CNG stations. Drivers without proper uniform will not be allowed for duties.
- 21 In each shift CONTRACTOR shall depute adequate numbers of supervisors for smooth operation of transport services to the satisfaction of Engineer-in-charge. Supervisors shall be provided with the conveyance and mobile phone for effective supervision and better coordination.
- 22 CONTRACTOR shall provide communication handsets to the supervisors for communicating with the drivers and movement control. The safety and security of the handsets will be the responsibility of the CONTRACTOR. In case of loss and damage, the CONTRACTOR shall be liable for repairing the sets immediately at his own cost.
- 23 CONTRACT shall carry out all schedules for maintenance of LCV and provide the copy of schedule of maintenance record to Engineer-in-charge.
24. CONTRACTOR shall plan schedule of maintenance in consultation and prior permission of Engineer-in-charge.
- 25 The CONTRACTOR shall obtain the Traffic Police clearance for 24-hour entry permit for plying CNG cascades mounted LCV on road. Any assistance / document required in this regard shall be provided by GGL.
- 26 The CONTRACTOR shall be required to take comprehensive insurance policy coverage including 3rd party insurance for each vehicle taken from a reputed insurance company and shall keep in force during the tenure of the CONTRACT.
- 27 LCV provided under the transport services should be covered by Zonal Permit at CONTRACTOR's cost.
- 28 The CONTRACTOR shall ensure that no person in the vehicle would smoke or no fire or other ingredients of ignition should be permitted in the vicinity of the vehicle. No other goods should be carried in the vehicle. The vehicle engaged for transportation of CNG shall not carry any persons or goods other than the crew of the vehicle.
- 29 Hiring charges should be quoted considering the cost of HSD on the due date of opening of the bids in retail outlet of HPCL/IOCL/BPCL. This rate will be considered as base rate per liter of HSD for the purpose of calculation, escalation and de-escalation for the entire period of CONTRACT. GGL will consider increase / decrease in the prices only of HSD. The escalation / de-escalation shall be calculated on the basis of:
- a. Escalation / de-escalation will be applied when change in HSD retail selling rate from base rate is minimum one rupee per liter. If the fluctuation in the HSD retail – selling rate is lower than one rupee liter, escalation / de-escalation will be applied when cumulative total of such fluctuations becomes one rupee per liter from base rate in terms of either increase or decrease. Documentary evidence regarding rate of HSD has to be provided by the CONTRACTOR.
- b. The calculation of escalation / de-escalation on account of cost of HSD over base rate will be done as follows:  
e.g. Let the increase of rate of HSD over base rate is Rs. 1.00 / liter (from 1<sup>st</sup> of the month) and the total Km run during the month is 650 Kms. Additional amount to be paid for escalation of cost of HSD : Rs. 130 per LCV for 650 Km run assuming the mileage of the LCV is 5 Km per liter of diesel. If the escalation / de-escalation is more than Re. 1 per liter (say Rs. X / liter, X > Re.1) and the vehicle runs for Y Kms during the month, the calculation will be as follows:  
Additional amount to be paid / recovered for escalation of cost of HSD = Rs. X\* Y\* 130/650
30. The average distance from Mother Station to DBS is approx. 20 Kms.
31. The LESSOR can increase the number of LCV required for proper feeding of DBS.

	<b>TECHNICAL SPECIFICATION FOR HIRING OF LIGHT COMMERCIAL VEHICLE</b>	Document No.	Rev
		11-0269-02-09-02-001	0
		Sheet 4 of 4	