**TATA LPO 1613 LNG**

Tata Motors is a leader in heavy duty and light duty natural gas vehicles in the Indian market and a leading vehicle manufacturer globally. Tata Motors has always been at the forefront of innovation providing products and mobility solutions catering to discerning needs of the society. Taking a leap, Tata Motors displayed LNG technology on Tata Prima Truck at Auto Expo 2014 followed by the country’s first LNG Powered bus in November 2016, at Kerala. LNG is the cleanest form of alternate fuel, which is much safer than conventional fuel and CNG.

**TATA LPO 1613 LNG –** Tata Motors is the first OEM to offer a passenger vehicle with integrated LNG system for Indian market. This is a standard floor height Bus (1100 mm), built on LPO 1613 platform for city application with improved TCO, increased utility space, best in class NVH and safety. It is environmental friendly with 30% lesser greenhouse gases emission. It offers best-in-class fuel economy as LNG is the cheapest fuel available and has high density. It has enhanced safety features such as fuel and vapour shut-off valve, excess flow valve, and primary and secondary relief valve. A single LNG tank used in the vehicle results in increased range, lesser complexity of operation and lower maintenance. The LNG tank and LNG system has been approved by PESO.

**USPs**:

* Offers higher range - LNG has 2 times range of the fuel density of CNG
* LNG operates at lower pressure – as operating pressure for LNG is 15 bar against CNG of 200 bar
* LNG is safer – evaporates quickly and being lighter than air, it does not stick around it to catch fire
* Faster fill times – 50% faster for LNG than for CNG
* Best in class TCO

**Application:** Intra city

**Technical Specifications:**

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| **Parameter** | **Description** |
| Engine | TATA 5.7 SGI IOBD-II |
| Max Power | 96 kw (130PS) @ 2500 RPM |
| Max Torque | 405Nm @ 1250-1500 RPM |
| Clutch Type | 330 Dia |
| Gear Box | GBS 40 – 5-speed synchromesh + 1 reverse |
| Front Axle | Rigid front axle |
| Rear Axle | RA 109RR heavy duty, hypoid gears, fully floating axle shafts |
| Suspension | Front & Rear Parabolic Suspension |
| Frame | Ladder type heavy duty frame |
| Body | Marcopolo Body |
| Battery | 2x12V, 150 Ah |
| Fuel Tank Capacity | 400 litres (LNG Tank) |
| Tyre | 295/80 R22.5 – 16PR |
| Wheel Base | 5800 mm |
| Max Speed | 70.41 kmph |
| GVW | 16200 Kg |
| FAW | 6000 Kg |
| RAW | 10200 Kg |
| Kerb weight (chassis) | 6000 Kg |
| Gradability | 26.14 deg. |
| Restart Gradability | 24.34 deg. |
| Seating Capacity | 55+D in 3x2 High Back Reclining Configuration |