

# The 6x6 All-Wheel Drive Tata LPTA 1623 High Mobility Vehicle



# Smooth going for the tough Army

The smooth movement of artillery is crucial to victory on the battlefield. That's why you need the high mobility of the 6x6 Tata LPTA 1623 HMV. It offers a stable drive on all terrains and in extremes of climate. That's why it stands tall and tough – just like the country's defence.

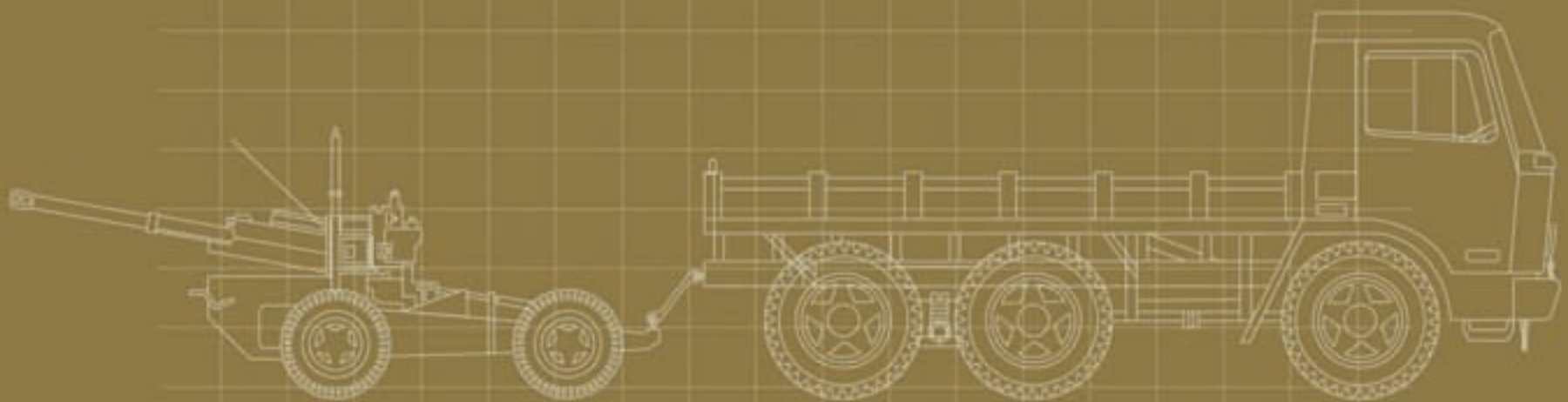
## Exclusive features

**Payload:** 7.5 T

**Mobility:** 6x6 wheel drive, high ground clearance of 390 mm, fordability 860 mm, 12 HP/ton, inter-axle differential lock

**Utility:** Platform for high mobility vehicle, gun-towing vehicle, mobile hospital, command post, field artillery tractor

**Survivability:** Mobility to match tracked vehicle mobility, self-recovery winch with 10 T capacity, cold starting device, operates across extreme temperatures, heating and de-misting facility in crew-cab, with a capacity of 3 seats and 2 sleeper berths



10 T Field Artillery Tractor Variant

## TECHNICAL SPECIFICATIONS: LPTA 1623, 6X6

<b>ENGINE</b>		Wheel Rims		10.00 x 20	
Model	Cummins B5.9 235	No. of Wheels		Front-2, Rear-4, Spare-1	
Type	Water-cooled Compression Ignition Turbo-charged, Inter-cooled Diesel engine	<b>FUEL TANK</b>		Capacity	
Max. Engine Output	173 kw at 2500 rpm	CAB		400 litres Single Suspended Tilt Sleeper CAB with Heating Unit	
Max. Torque	800 Nm at 1500 rpm	<b>ELECTRICAL SYSTEMS</b>		System Voltage	
<b>CLUTCH</b>		Alternator		12 Volts	
Type	Single Plate Dry Friction Type 352 mm, Pull Type	Battery		65 Amps	
<b>GEAR BOX</b>		<b>ADDITIONAL FITMENTS</b>		12V, 180 Ah Capacity	
Model	Tata	Self recovery winch		Capacity	
Type	Synchromesh on all forward gears and constant mesh on reverse gear with PTO and APP (Sunfab)	Make		Jib Crane	
No. of gears	9 Forward, 1 Reverse	Type		Make	
<b>REAR AXLE</b>		Capacity		HIAB	
	Tata - Tandem Bogie (Banjo Type)	Jib Crane		500 kg at 4.2m extended length	
<b>FRONT AXLE</b>		Make		<b>PERFORMANCE</b>	
	Tata Live Front Axle (Banjo Type)	Capacity		Max. geared speed	
<b>STEERING</b>		<b>PERFORMANCE</b>		in top gear	
Ratio	Integral Power Steering	Jib Crane		Maximum gradeability	
<b>BRAKES</b>		Make		under full load	
Service Brake	Dual circuit full air S-cam brake	Capacity		Minimum turning	
Brake Drum diameter	420 mm	<b>PERFORMANCE</b>		circle dia	
<b>FRAME</b>		Capacity		85 kmph	
	Ladder type heavy duty frame with riveted/bolted cross members. Side members are of channel section	<b>PERFORMANCE</b>		25° (limited by slip)	
<b>SUSPENSION</b>		<b>PERFORMANCE</b>		19 mm	
Type	Semi elliptical leaf spring at front and rear	<b>MAIN CHASSIS DIMENSIONS AS PER IS 9435, in mm</b>		Wheel base	
Shock Absorber	Hydraulic double acting telescopic type at front	Track front		4235	
<b>WHEELS AND TYRES</b>		Track rear		1965	
Tyres	14.00R x 20-18 PR	Overall length		2106	
<b>WHEELS AND TYRES</b>		Max. width		8670	
<b>WHEELS AND TYRES</b>		<b>WEIGHTS (KG)</b>		Bare chassis kerb weight	
<b>WHEELS AND TYRES</b>		with cab & load body		8800	
<b>WHEELS AND TYRES</b>		<b>WEIGHTS (KG)</b>		<b>CROSS COUNTRY</b>	
<b>WHEELS AND TYRES</b>		Max. Permissible GVW		13800	
<b>WHEELS AND TYRES</b>		Max. Permissible GVW		<b>HIGHWAY</b>	
<b>WHEELS AND TYRES</b>		Max. Permissible GVW		16300	

**TATA MOTORS**  
DEFENCE SOLUTIONS

**Tata Motors Limited**, 26th Floor, World Trade Centre-1, Cuffe Parade, Mumbai 400 005.  
For further information, call +91-22 6656 1800 Extn. 1824/1874; Fax: +91-22 6636 0408;  
E-mail: [defencesolutions@tatamotors.com](mailto:defencesolutions@tatamotors.com) or visit [www.tatamotors.com](http://www.tatamotors.com)

Tata Motors reserves the right to change and vary the design, technical details and specifications at any time, without prior notice, as per the Company's policy of continuous product improvement.