From
The Transport Commissioner
Thiruvananthapuram.

To
All Deputy Transport Commissioners,
All Regional Transport Officers,
All Joint Regional Transport Officers.

Sir,


Ref:- 1. Request dated 29.12.2015 from M/s Tata Motors, Ltd, Cochin

M/s Tata Motors, Ltd, Cochin in their letter reference 2nd cited has requested to grant approval for the registration of Tata Prima Lx 3123.K 8x4 BS III Tipper chassis with Non-sleeper till Cab/Variant & its other models & Variants specified in the ARAI Certificate.

The Automotive Research Association of India has granted approval to above vehicles vide reference 2nd cited regarding the changes in technical specifications (Addition of Anti-Lock Braking System-ABS) and certified that the vehicles comply with the CMV Rules 1989. The details of Certificate of ARAI has been published in the web-site.

All the Registering Authorities and Additional Registering Authorities are directed to register the above vehicles subject to the compliance of CMV Rules, 1989 as amended up-to-date. They are also directed to verify the compliance of provisions of Act and Rules other than those mentioned in Annexure 1 and Annexure 1A of the ARAI certificate.

Yours faithfully,
Sd/-
Transport Commissioner


Approved for Issue

Junior Superintendent
CERTIFICATE

FOR

ADDITIONAL COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES.

1. This is an amendment to Type Approval Certificate(s) given below, issued in favour of M/s. Tata Motors Ltd., Pimpri, Pune-411018, for compliance to additional provisions of Notifications No. GSR 389(E) dt. 9th June 2014.

<table>
<thead>
<tr>
<th>Vehicle Model / Variants</th>
<th>Reference Certificate(s)</th>
<th>Date</th>
<th>Revised Specification No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TATA PRIMA LX 3123.K 8X4 BS III – Tipper Chassis with non Sleeper tilt Cab / Variants</td>
<td>AAIN 0006 F01</td>
<td>11.11.2014</td>
<td>STN01386, K</td>
</tr>
<tr>
<td>TATA PRIMA LX 3128.K 8x4 BS III – Tipper Chassis with non-Sleeper tilt Cab / Variants</td>
<td>AAJN0025</td>
<td>31.01.2014</td>
<td>STN01458, F</td>
</tr>
<tr>
<td>TATA PRIMA LX 3123.T 8X2 BS III Twin Steer Truck Chassis with Sleeper tilt Cab / Variants</td>
<td>AAJN0116</td>
<td>10.06.2014</td>
<td>STN01504, F</td>
</tr>
<tr>
<td>TATA PRIMA LX 3123.T 8x2 BS III Lift Axle Truck Chassis with Sleeper tilt Cab / Variants</td>
<td>AAJN0197</td>
<td>13.10.2014</td>
<td>STN01471, C</td>
</tr>
</tbody>
</table>

2. It is to certify that Basic Model(s) and/or Variants, given above, as mentioned in the Type Approval Certificate(s) under reference, comply with the provisions of Central Motor Vehicles Rules, 1989, amended vide Notifications No. GSR 389(E) dt. 9th June 2014, in respect of specific provisions, whose details are given below.

<table>
<thead>
<tr>
<th>CMV Rule</th>
<th>Description</th>
<th>Compliance Verified for</th>
<th>Effective From</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 (9) (I) III</td>
<td>Anti-lock Braking System (M3 &amp; N3 Categories – Existing Models)</td>
<td>IS:11852:2003 (Part 9)</td>
<td>01.10.2015</td>
</tr>
</tbody>
</table>

2a. Additional specifications (Nos. given above) indicating additional changes other than those endorsed alongwith the base certificate, for the base model(s)/variant(s), duly endorsed, are separately issued to the vehicle manufacturer.

3. This certificate may be read in conjunction with the Type Approval Certificate(s) (*) referred above.

Disclaimer:

1. ARAI issues “Type Approval Certificates” (TAC) for vehicles/ components/ parts/ assemblies etc. based on the documents produced and/or prototype(s) submitted by the applicant and testing thereof.

2. ARAI issues TAC in compliance to Motor Vehicle Act / Central Motor Vehicles Rules and their provisions as amended from time to time or any other statutory orders under which ARAI is authorized. Other Rules/ Acts are outside the purview/ scope of TAC.

3. Test(s) on prototype(s) is/are carried out on the basis of standard procedures as notified under specific rules. Results of such tests are the property of bearer of TAC. These results cannot be disclosed unless specifically so ordered by Government, Court, etc.

4. The bearer of the TAC is under obligation to ensure production strictly as per the provisions of the specific TAC.

5. ARAI is not responsible for any modification in the components/ parts/ assemblies etc. for which TAC is issued. Further, ARAI is not responsible for endorsement of the type approved vehicles/ components/ parts/ assemblies etc.

6. ARAI is in no way responsible for the copying of any design/ type/ system in connection with entire vehicle or its components parts etc.

7. Breach of any stipulation in the TAC of other countries, will be the sole responsibility of the bearer of TAC and ARAI shall not be liable in any case.

8. ARAI has the right to cancelation/ withdrawal of the certificate issued, in case of any fraud, misrepresentation or the production of a false certificate/ Report.

The appropriate local authorities are also in the production of any dispute, claim or liability arising out of this certificate/ Report.

AUTHORIZED SIGNATORY

AARAI

DEPUTY DIRECTOR & HEAD
HOMOLOGATION MANAGEMENT & REGULATION
ARAII, PUNE.

Place of Issue: Pune

Regd. Office : S. No. 102, Vetal Hill, Off Paud Road, Kothrud, Pune - 411 038 (India) Postal Address : P. O. Box No. 652, Pune - 411 004 (India)

Tel. : +91-20-3023 1111, Fax : +91-20-3023 1104. Email : director@araiaindia.com

Website : www.araiaindia.com

- 2 DEC 2013

Government of India

True copy attested

Notary
### Brief Technical Specifications: Table 7 of AIS007

<table>
<thead>
<tr>
<th>4th Gear</th>
<th>5th Gear</th>
<th>6th Gear</th>
<th>Over Drive</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Axle (Front/ Rear/ All)</td>
<td>Rear</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front axle ratio</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear axle ratio</td>
<td></td>
<td></td>
<td></td>
<td>5.58</td>
</tr>
</tbody>
</table>

### Steering

- **Type/ Description**: Power Assisted-Hydraulic
- **Steering wheel diameter, mm**: 470
- **Ratio**: 22.2 ~ 26.2:1 (Variable)

### Frame

- **Long member size, mm**: 90 Width X 286 Depth X 7 Thick
- **Number of cross members**: 7

### Suspension

- **Type/ Description (Front)**: Leaf spring (Parabolic)
- **Type/ Description (Rear)**: Inverted multi leaf spring (Bogie suspension)
- **Spring**: Leaf Spring (Front Parabolic, Rear Inverted Multi leaf Spring)
- **Anti-roll bar (Front)**: Axle-I: Yes; Axle-II: NA
- **Anti-roll bar (Rear)**: Axle-I: NA; Axle-II: Yes
- **Shock absorbers (Front)**: Hydraulic Double acting Telescopic type for both axle
- **Shock absorbers (Rear)**: Axle-I: NA; Axle-II: NA

### Brake

- **Service Brake (Brief Description)**: Dual Treadle Valve acting on all Wheels. With Automatic wear adjuster fitted.
- **Auto slack adjuster fitted (Yes/No/Optional)**: YES
- **ABS Fitted (Yes/ No/ Optional)**: Yes (Optional up to 30st September 2015 and Mandatory w.e.f. 01st October 2015)
- **Front (Disc / Drum)**: 410 Dia. (Drum)
- **Rear (Disc / Drum)**: 410 Dia. (Drum)
- **Total Breaking Area (Front), Sq.cm.**
- **Total Breaking Area (Rear), Sq.cm.**
- **Parking Brake**
- **Secondary Brake**: Front axle brakes in the event of rear axle brake failure & Rear axle brakes in the event of front axle brake failure

### Wheels and Tyres

- **Manufacturer**: TATA MOTORS LTD.
- **Document No.**: STN01386, K
- **Test Agency**: Signature
- **Cert No.**: Signature
- **Name**: S V Joshi
- **Designation**: DGM (Certification) ERC
- **Date 06.11.2014**

---

**Certification**: ARAI/CMVR/9714(389)(*) dt. 22.12.2014

**Stamp**: NOTARY

**Affidavit**

**Signature**: deepcopy

**Name**: Deputy Director & Head

**Designation**: Homologation Management and Regulation, ARAI, Pune

**Date of Issue**: 06.11.2014

---

**Page 7 of 48**
# Brief Technical Specifications: Table 7 of AIS007

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4th Gear</td>
<td></td>
</tr>
<tr>
<td>5th Gear</td>
<td></td>
</tr>
<tr>
<td>6th Gear</td>
<td></td>
</tr>
<tr>
<td>Over Drive</td>
<td></td>
</tr>
<tr>
<td>Reverse</td>
<td></td>
</tr>
<tr>
<td>7th Gear</td>
<td></td>
</tr>
<tr>
<td>8th Gear</td>
<td></td>
</tr>
<tr>
<td>Drive Axle (Front/Rear/All)</td>
<td>Rear</td>
</tr>
<tr>
<td>Front axle ratio</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Rear axle ratio</td>
<td>5.58 &amp; 7.246</td>
</tr>
<tr>
<td>Steering</td>
<td></td>
</tr>
<tr>
<td>Type/Description</td>
<td>Power Assisted-Hydraulic</td>
</tr>
<tr>
<td>Steering wheel diameter, mm</td>
<td>470</td>
</tr>
<tr>
<td>Ratio</td>
<td>22.2 ~ 26.2:1(Variable)</td>
</tr>
<tr>
<td>Frame</td>
<td></td>
</tr>
<tr>
<td>Long member size, mm</td>
<td>90 Width X 286 Depth X 7 Thick</td>
</tr>
<tr>
<td>Number of cross members</td>
<td>7</td>
</tr>
<tr>
<td>Suspension</td>
<td></td>
</tr>
<tr>
<td>Type/Description (Front)</td>
<td>Leaf spring (Parabolic)</td>
</tr>
<tr>
<td>Type/Description (Rear)</td>
<td>Leaf Spring (Front Parabolic, Rear Inverted Multi leaf Spring)</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>Anti-roll bar (Front)</td>
<td>Axle-I: Yes; Axle-II: NA</td>
</tr>
<tr>
<td>Anti-roll bar (Rear)</td>
<td>Axle-I: NA; Axle-II: Yes</td>
</tr>
<tr>
<td>Shock absorbers (Front)</td>
<td>Hydraulic Double acting Telescopic type for both axle</td>
</tr>
<tr>
<td>Shock absorbers (Rear)</td>
<td>Axle-I: NA; Axle-II: NA</td>
</tr>
<tr>
<td>Brake</td>
<td></td>
</tr>
<tr>
<td>Service Brake (Brief Description)</td>
<td>Dual Treadle Valve acting on all Wheels. With Automatic wear adjuster fitted.</td>
</tr>
<tr>
<td>Auto slack adjuster fitted (Yes/No/Optional)</td>
<td>YES</td>
</tr>
<tr>
<td>ABS Fitted (Yes/No/Optional)</td>
<td>Yes (Optional up to 30th September 2015 and Mandatory w.e.f. 01st October 2015)</td>
</tr>
<tr>
<td>Front (Disc/Drum)</td>
<td>410 Dia. (Drum)</td>
</tr>
<tr>
<td>Rear (Disc/Drum)</td>
<td>410 Dia. (Drum)</td>
</tr>
<tr>
<td>Total Breaking Area (Front), Sq.cm.</td>
<td>For TVS AF 5157 Liner:- Option I - 2496 x 2; Option III - 2764 x 2; For M/s Masu Liner:- Option I - 2366 x 2; Option II - 2496 x 2; Option III - 2764 x 2</td>
</tr>
<tr>
<td>Total Breaking Area (Rear), Sq.cm.</td>
<td>Option I- 2366 x 2 Option II- 2496 x 2 Option III - 2764 x 2</td>
</tr>
<tr>
<td>Parking Brake</td>
<td>Spring Brake</td>
</tr>
<tr>
<td>Secondary Brake</td>
<td>Front axle brakes in the event of rear axle brake failure &amp; Rear axle</td>
</tr>
</tbody>
</table>

---

**Manufacturer:** TATA MOTORS LTD.

**Signature:**

**Name:** S V Joshi

**Designation:** DGM(Certification)ERC

**Document No.:** STN01465_F

**Test Agency:**

**Cert No.:**

**Date of Test:** 06.11.2014

---

**Page 23 of 48**
### Brief Technical Specifications: Table 7 of AIS007

<table>
<thead>
<tr>
<th>Gear Type</th>
<th>Ratio (Front/Rear/All)</th>
<th>Ratio (Middle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th Gear</td>
<td>1.36/6.96</td>
<td></td>
</tr>
<tr>
<td>6th Gear</td>
<td>1/5.12</td>
<td></td>
</tr>
<tr>
<td>Over Drive</td>
<td>NA/NA</td>
<td></td>
</tr>
<tr>
<td>Reverse</td>
<td>8.63/44.18</td>
<td></td>
</tr>
<tr>
<td>7th Gear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8th Gear</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Drive Axle (Front/Rear/All)**: Rear
- **Front axle ratio**: Not Applicable
- **Rear axle ratio**: 5.12 (41/6)

- **Steering**
  - **Type/Description**: Power Assisted Hydraulic
  - **Steering wheel diameter, mm**: 470
  - **Ratio**: 26.2:1

- **Frame**
  - **Long member size, mm**: 78 Width x 286 Depth x 7 Thick
  - **Number of cross members**: 10

- **Suspension**
  - **Type/Description (Front)**: Leaf
  - **Type/Description (Rear)**: Leaf
  - **Spring**: Front-parabolic spring, Rear - Semieliptical multileaf spring
  - **Anti-roll bar (Front)**: Not Applicable
  - **Anti-roll bar (Rear)**: Not Applicable
  - **Shock absorbers (Front)**: Hydraulic double acting telescopic type
  - **Shock absorbers (Rear)**: Not Applicable

- **Brake**
  - **Service Brake (Brief Description)**: Dual Treadie Valve acting on all Wheels. With Automatic wear adjuster fitted.
  - **Auto slack adjuster fitted (Yes/No/Optional)**: Yes
  - **ABS Fitted (Yes/No/Optional)**: Yes (Optional up to 30th September 2015 and Mandatory w.e.f. 01st October 2015)

- **Front (Disc/Drum)**
  - **Rear (Disc/Drum)**
  - **Total Breaking Area (Front), Sq.cm.**
  - **Total Breaking Area (Rear), Sq.cm.**
  - **Parking Brake**
  - **Secondary Brake**

- **Wheels and Tyres**

---

**Manufacturer:** TATA MOTORS LTD.

**Document No.:** STN01504, F

**Test Agency:**

**Cert No.:**

**Signature:**

**Name:** S V Joshi

**Designation:** DGM (Certification) ERC

**Date of Issue:** 06.11.2014

**Page 38 of 48**