

**TRANSPORT DEPARTMENT : GOVT. OF NCT OF DELHI  
OPERATION BRANCH, 5/9, UNDER HILL ROAD: DELHI – 110054**

DC.OPS/626/2016/Tpt./1000-03

Dated : May 05, 2016

**CIRCULAR**

The Competent Authority, Transport Department, Government of NCT of Delhi is pleased to allow the registration approval for the changes in technical specifications of **Narain Plus** E-Rickshaw ( for addition of two variants) , as per details given below, manufactured by M/s Lohia Auto Industries, H-193, Sector-63, Noida, Gautam Buddhagar, Pin 201 309, in National Capital Territory of Delhi. As per the details contained in the Type Approval Certificate issued by designated testing agency CIRT, Pune, the model complies to the Central Motor Vehicle Rules, 1989.

| ANNEXURE-I<br>DETAILS OF CHANGES IN TECHNICAL SPECIFICATIONS |   |  |
|--|---|--|
| 1.0  | Name of Chassis / Vehicle Manufacturer                  | M/s Lohia Auto Industries, H-193, Sector-63, Noida, Gautam Buddhagar, Pin 201 309, UP. Plant: Plot NO.22-23 & 27, Phase 1, Nand Nagar Industrial Estate, Mahua Kheranganj, Kashipur, District Udham Singh Nagar, Uttarakhand (India)-244713. |
| 2.0  | Reference CMVR Certificate                              | RAKB 0109 dated 08.05.2015 of CIRT, Pune.  |
| 3.0  | Specification/Document No. (Refer in base certificate)  | LAI/Narain/LE6/TAB-1.7,13,11,8/15-rev.0  |
| 3.1  | Specification/Document No. at the time of last approval | LAI/Narain/LE6/TAB-1.7,13,11,8/15-rev.0  |
| 3.2  | Specification/Document No. (Extension-1) now approved   | LAI/Narain/LE6/TAB-1.7,13,11,8/15-rev.1  |
| 4.0  | Nature of Change  | Addition of two variant models:<br>1. Narain - E-Rickshaw<br>2. Narain LC - E Cart   |
| 5.0  | Change in Specification                                 |  |

| Sl.No. | Specifications | Description                                   | Parameter (Earlier)               | Parameter (New)  |
|--------|----------------|---|-----------------------------------|--|
| 5.1    | 0.2            | Type  | E Rickshaw (Sketch no.SK-NP-0041) | E Rickshaw (Sketch no.SK-NP-0041)<br>E Rickshaw (Sketch no.SK-NA-0031)<br>E Cart (Sketch no.SK-NL-0022)              |
| 5.2    | 0.2.1          | Commercial Name                               | Narain Plus (E Rickshaw)          | Narain Plus (E Rickshaw)<br>Narain (E Rickshaw), Variant 1<br>Narain LC (E Cart), Variant 2                          |
| 5.3    | 0.4            | Vehicle category (AIS-053)                    | E Rickshaw (L5M)                  | E Rickshaw (L5M) -(Base-Narain Plus)<br>E Rickshaw (L5M)-(Variant 1- Narain)<br>E Cart- (L5N)- Variant 2- Narain LC) |
| 5.4    | 1.1            | Photos and / or drawings of a typical vehicle | Sketch no.SK-NP-0041              | Narain Plus, E Rickshaw Sketch no.SK-NP-0041.  |
| 5.5    | 1.2            | Drawing of the complete vehicle               |                                   | Narain, E Rickshaw Sketch no.SK-NA-0031<br>Narain LC, E Cart Sketch no.SK-NL-0022                                    |
| 5.6    | 1.5            | Number of seating positions                   | D+4 passengers                    | D+4 passengers (for E Rickshaw)<br>Driver only (for E-Cart)  |

|  |  |  |   |  |
|--|--|--|---|--|
|  |  | AIS: 38/2001-02<br>Clause 3.1.2),<br>Provide drawing if<br>necessary | below Driver seat<br>& cargo box plat<br>form, ventilation<br>provided on box<br>sides. Sketch<br>No.SK-NP-0045 | NP-0045 (Narain Plus); SK-NA-0035<br>(Narain) & SK-NL-0028 (Narain LC) |
|--|--|--|---|--|

The approval is accorded subject to the responsibility of the manufacturer / Importer for ensuring the fitment of the same component, parts/ assemblies etc details of which are given in detailed specifications endorsed by the CIRT, Pune, at the time of producing the vehicle (s) before inspecting authority for COF/Registration.

The manufacturer / dealer will sale E-rickshaws / E-Cart for registration in Delhi only to those persons who are in possession of an effective Learners' Driving License to drive an E-rickshaw/E-Cart issued by the Transport Department after obtaining a trade certificate in Form-17 as per the provisions of rule 35 of CMVR from the Transport Department. Further, the model will not be registered unless the manufacturer intimates the Ex-showroom price to the department. This approval is further subject to opening of dealership and sale through authorised dealers only.

All MLOs / MLO (HQ)/CMVI / ARU (Burari) are requested to accept the changes in technical specifications of **Narain Plus** E-Rickshaw ( for addition of two variants) manufactured by M/s Lohia Auto Industries, H-193, Sector-63, Noida, Gautam Buddh Nagar, Pin 201 309, in NCT of Delhi subject to fulfilment of provisions of Motor Vehicle Act, 1988 and rules made there under and the department's instructions/order issued from time to time in this regard.

(PRAWIN DESAI)  
MLO (OPERATIONS)

Dated :May 05, 2016

DC.OPS/626/2016/Tpt./1000-03

Copy forwarded for information and necessary action to:-

1. All MLOs / MLO (HQ)/CMVI / ARU (Burari)
2. M/s Lohia Auto Industries, H-193, Sector-63, Noida, Gautam Buddh Nagar, Pin 201 309.
- ~~3.~~ Sr. System Analyst, Transport Department, Delhi.
4. Guard File

(PRAWIN DESAI)  
MLO (OPERATIONS)

|      |         |   |                         |  |                         |                         |
|------|---------|---|-------------------------|--|-------------------------|-------------------------|
|      | 2.0     | Weights (in Kg)   |                         | Narain Plus  | Narain                  | Narain LC               |
|      | 2.1     | Vehicle Kerb weight   | 352 Kg                  | 352 Kg   | 342 Kg                  | 340 Kg                  |
|      | 2.11    | Distribution of weights between the axles   | F- 111 Kg.<br>R-241 Kg. | F- 111 Kg.<br>R-24 Kg.   | F- 93 Kg.<br>R-249 Kg.  | F- 100 Kg.<br>R-240 Kg. |
|      | 2.2     | Vehicle Kerb weight   | 420 Kg.                 | 420 Kg.  | 412 Kg.                 | 408 Kg.                 |
|      | 2.3     | Gross vehicle weight  | 741 Kg.                 | 741 Kg.  | 722 Kg.                 | 720 Kg.                 |
|      | 2.3.1   | Division of that weight between the axles   | F- 191 Kg.<br>R-550 Kg. | F- 191 Kg.<br>R-550 Kg.  | F- 183 Kg.<br>R-539 Kg. | F- 190 Kg.<br>R-530 Kg. |
| 5.7  | 2.3.2   | Maximum technically permissible weight (maximum axle weight) on each of the axles)                                    |                         |  |                         |                         |
|      | 2.3.2.1 | Front Axle  | 191 Kg                  | 191 Kg.  | 183 Kg.                 | 180 Kg.                 |
|      | 2.3.2.2 | Rear Axle   | 550 Kg.                 | 550 Kg.  | 539 Kg.                 | 520 Kg.                 |
| 5.8  | 5.1     | Drawing of suspension arrangement   | Sketch no.SK-NP-0042    | Sketch no.SK-NP-0042 (Narain Plus)<br>Sketch no.SK-NP-0032 (Narain),<br>Sketch no.SK-NP-0024 (Narain LC)     |                         |                         |
| 5.9  | 8.2     | Diagram showing the location of the lighting light signaling devices on vehicle with relevant dimensions see AIS-009) | Sketch no.SK-NP-0043    | Sketch no.SK-NP-0043 (Narain Plus)<br>Sketch no.SK-NA-0033 (Narain)<br>Sketch no.SK-NL-0025 (Narain LC)      |                         |                         |
| 5.10 | 9.5.5   | Drawing(s) showing the location of the audible warning devices in relation to the structure of the vehicle.           | Sketch no.SK-NP-0049    | Sketch no.SK-NP-0049 (Narain Plus)<br>Sketch no.SK-NA-0049 (Narain Plus)<br>Sketch no.SK-NL-0023 (Narain LC) |                         |                         |
| 5.11 | 10.3    | Drawing(s) showing the location of the rear-view mirror(s) in relation to the structure of the vehicle.               | Sketch no.SK-NP-0047    | Sketch no.SK-NP-0047 (Narain Plus)<br>Sketch no.SK-NA-0095 (Narain)<br>Sketch no.SK-NL-0078 (Narain LC)      |                         |                         |
| 5.12 | 10.4    | RVM Mounting location   | On front frame          | On front frame (Narain Plus)<br>On handle bar LHS & RHS (Narain)<br>On handle bar LHS & RHS (Narain LC)      |                         |                         |
| 5.13 | 11.1    | Hand-hold for a passenger(s)  | 4 no's                  | Narain Plus (E-Rickshaw) - 4 nos<br>Narain (E-Rickshaw) - 4 nos<br>Narain LC(E-Cart) - NA                    |                         |                         |
| 5.14 | 11.1.1  | Type: strap and /or handle(1)   | Strap Type-LE-0013      | Narain & Narain Plus (E Rickshaw):<br>Strap Type-LE-0013<br>Narain LC (E Cart): NA                           |                         |                         |
| 5.15 | 11.1.2  | Photographs and / or drawings showing the location  | Sketch no.SK-NP-0046    | Sketch no.SK-NP-0046 (Narain Plus)<br>Sketch no.SK-NA-0036 (Narain)  |                         |                         |
|      | 1.0     | Dimensions and weights) in mm and kg)   |                         |  |                         |                         |
|      | 1.1     | Dimensions to be complied   | NARAIN PLUS             | NARAIN PLUS  | NARAIN                  | NARAIN LC               |
|      | 1.1.1   | Length -mm  | 2790                    | 2790   | 2790                    | 2790                    |
|      | 1.1.2   | Width-mm  | 1000                    | 1000   | 1000                    | 1000                    |
|      | 1.1.3   | Unladen height  | 1800                    | 1800   | 1800                    | 1790                    |
| 5.16 |         | Front overhang-mm   | Nil                     | Nil  | Nil                     | Nil                     |
|      |         | Rear overhang   | 445                     | 445  | 445                     | 445                     |
|      | 1.2     | Weights-Kg  | 352                     | 352  | 342                     | 340                     |



|                                |       |  |   |   |               |                  |
|--------------------------------|-------|--|---|---|---------------|------------------|
| 5.17                           | 2.4.2 | Location   | Compartment behind driver<br>Sketch SK-NP-0044  | Compartment behind driver<br>Sketch SK-NP-0044 (Narain Plus)<br>Sketch SK-NA-0034 (Narain)  |               |                  |
| Table 7 of AIS 007 revision 4  |       |  |   |   |               |                  |
| 5.18                           |       | Variant (s)  | NA  | 1.Narain (E Rickshaw)<br>2.Narain LC (E Cart)   |               |                  |
| 5.19                           |       | Type description   | NA  | 1. E Rickshaw (BEV) &<br>2. E Cart (BEV)  |               |                  |
| 5.20                           |       | Category of variant (as per AIS-053)   | NA  | 1.E Rickshaw (L5M) &<br>2.E Cart (L5N)  |               |                  |
| 5.21                           |       | Dimensions (mm)  | Narain Plus   | NARAIN PLUS   | NARAIN        | NARAIN LC        |
|                                |       | Wheel Base   | 2045  | 2045  | 2045          | 2045             |
|                                |       | O/Width  | 1000  | 1000  | 1000          | 1000             |
|                                |       | O/Length   | 2790  | 2790  | 2790          | 2790             |
|                                |       | O/Height   | 1800  | 1800  | 1800          | 1790             |
|                                |       | Front tack   | NA  | NA  | NA            | NA               |
|                                |       | Rear track   | 870   | 870   | 870           | 870              |
|                                |       | Min. ground clearance  | 200   | 200   | 200           | 200              |
| 5.22                           |       | Cargo box dimensions (mm)  | NA  | (Narain LC) (E Cart) L 1300 X W 990 XH 280)   |               |                  |
| 5.23                           |       | Local body platform area   | NA  | Narain LC) (E Cart) L 1300 X W 990 XH 280)  |               |                  |
| 5.24                           |       | Maximum GVW kg.(for rigid vehicles)  | 735   | NARAIN PLUS<br>735  | NARAIN<br>722 | NARAIN LC<br>720 |
|                                |       | Maximum FAW kg.  | 191   | 191   | 183           | 190              |
|                                |       | Maximum RAW kg.  | 550   | 550   | 539           | 530              |
| 5.25                           |       | Kerb weight with 90% fuel (with spare wheel, tools etc) kg.  | 352   | 352   | 342           | 340              |
| 5.26                           |       | Seating Capacity   | D+4   | D+4   | D+4           | Driver only      |
| 5.27                           |       | Sketch showing seating layout with dimensions  | Sketch SK-NP-0044   | Narain Plus: Sketch SK-NP-0044<br>Narain E-Rickshaw SK-NP-0034<br>Narain LC E- Cart SK-NL-0027  |               |                  |
| Table 11 OF AIS 007 revision 4 |       |  |   |   |               |                  |
| 5.28                           |       | Name of Variants, if any   | NA  | Narain (E Rickshaw (L5M) Narain LC (E Cart) (L5N)   |               |                  |
| Table 13 OF AIS 007 revision 4 |       |  |   |   |               |                  |
| 5.29                           | 1.1   | Vehicle Model  | Narain Plus   | Narain Plus –E Rickshaw (Base model)<br>Narain (E Rickshaw (Variant)<br>Narain LC (Variant)   |               |                  |
| 5.30                           | 1.2   | Vehicle Type   | E Rickshaw (L5M)  | E Rickshaw (L5M)<br>E Rickshaw (L5M)<br>E Cart (L5N)  |               |                  |
| 5.31                           | 1.3   | Drawing and / or photograph of the vehicle   | Sketch no.SK-NA-0041  | Sketch no.SK-NP-0041.<br>(Narain Plus)<br><br>Sketch no.SK-NA-0031(Narain);<br><br>Sketch no.SK-NL-0027 (Narain LC)   |               |                  |
| 5.32                           | 2.7.1 | Brief description of the ventilation system adopted in the vehicle. (Refer AIS: 38/2001-02 Clause 3.1.1). Provide drawing if necessary | Battery housed in FRP box below passenger compartment, below Driver seat & cargo box plat form, ventilation provided on box sides. Sketch No.SK-NP-0045 | Battery housed in FRP box below passenger compartment, below Driver seat & cargo box plat form, ventilation provided on box sides. Sketch No.SK-NP-0045 (Narain Plus); SK-NA-0035 (Narain) & SK-NL-0028 (Narain LC) |               |                  |
| 5.33                           | 2.7.2 | Brief description of the ventilation system adopted in the vehicle. (Refer   | Battery housed in FRP box below passenger compartment   | Battery housed in FRP box below passenger compartment, below Driver seat & cargo box plat form, ventilation   |               |                  |