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|---|---|---|---|------|-----|
| C | A | K | B | 0016 | F01 |
|---|---|---|---|------|-----|

C A K B0016F01

Date : 02<sup>nd</sup> January 2024

| Cert | Table 7, 11 & 13 | Dwg | Total  |
|------|------------------|-----|--------|
| 03   | 11               | 05  | 19 Pgs |

# CERTIFICATE

FOR

COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES



1. In order to establish compliance to the provisions of CMVR, 1989, applicable as on date, documental verification / necessary testing was carried out, on the following base model submitted by the vehicle manufacturer referred below:

| This certificate supersedes                           | Vehicle Manufacturer   |  |                                |          |
|---|--|--|--------------------------------|----------|
| CAKB 0016 dt.19.02.2015                               | <b>M/s. THUKRAL ELECTRIC BIKES PVT. LTD</b><br>Office- Plot 18 A, Ground Floor, Rajan Babu Road, Near Adarsh Nagar Metro Station, Adarsh Nagar, New Delhi- 110033<br>Plant: Sonipat - Haryana, Baghpat - U.P   |  |                                |          |
| Type & Category                                       | Motor Manufacturer (Model ID)  | Controller Manufacturer (Model ID)           |                                |          |
| Special Purpose Battery Operated Vehicle & E-Rickshaw | M/s Toppower Drive Techniques Co. Ltd (TEBM)   | M/s Toppower Drive Techniques Co. Ltd (TEBC) |                                |          |
| Base Model  | Max. 30 Minute   |  | Seating Capacity (incl driver) | GVW (kg) |
|   | Power  | Speed  |                                |          |
| THUKRAL Er1   | 1.44kW   | 21.4 km/h                                    | 5 Persons                      | 865      |
| Variant(s)  | THUKRAL Grand  |  |                                |          |
| Battery (Make/Capacity/Voltage/Id/Type)               | 1. M/s Thukral Electric Bikes Pvt. Ltd./ 100Ah / 51.2V / TEBPL100/ Lithium-ion<br>2. M/s Eastman Auto & Power Ltd. / 115Ah / 48V / EM150ER/ Lead Acid<br>3. M/s Eastman Auto & Power Ltd. / 90Ah / 48V / EM120ER/ Lead Acid<br>4. M/s Surya Batteries / 102Ah / 48V / SMD1800/ Lead Acid<br>5. M/s Livguard Batteries Pvt. Ltd. / 105Ah / 48V / LG D0 ERTU 2300/ Lead Acid |  |                                |          |

1a. Brief technical specifications (EXT07 dt. 22.05.2023) of the base model as declared by the vehicle manufacturer are enclosed with this certificate. Detailed specifications (EXT07 dt. 22.05.2023) of the base model are also separately issued to the vehicle manufacturer.





2. It is certified that the above base model comply with the provisions of the CMVR, 1989, as amended up-to-date, including following requirements, (as detailed at ANNEXURE - I, IA & IB):

| Standards    | Notification | Date       | Effective From | Applicable CMVR      |
|--------------|--------------|------------|----------------|----------------------|
| E – Rickshaw | GSR 709(E)   | 08.10.2014 | 08.10.2014     | ANNEXURE - I, IA, IB |

**Refer ANNEXURE -II**

3. This Certificate is issued as per CMV Rule 126, to establish compliance with the Central Motor Vehicles Rules, 1989, and shall not be construed as a certificate of compliance to any rules other than those listed in ANNEXURE - I, IA, IB & II. Compliance to these rules has been verified based on the use of specific components / parts / assemblies etc. details of which are given in the detailed specifications duly endorsed by ICAT as mentioned at Para. 1a above. It is the vehicle manufacturer's responsibility to ensure fitment of same components / parts / assemblies etc. before submission of the vehicle for registration.

Please turn over for Disclaimer

| AUTHORISED SIGNATORY  |  |   |  |
|---|--|---|--|
| <br><b>VIKAS SADAN</b><br>DEPUTY GENERAL MANAGER | <br><b>ICAT</b><br>Innovation • Service • Excellence<br>MANESAR • 1902010 | <br><b>SAURABH DALELA</b><br>DIRECTOR | <br>Innovation • Service • Excellence |
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