



INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRiP Implementation Society (NATIS), Govt. of India]

ICAT/BOV-1065/2021-22/Q-1691

Date : 06th October 2021

TEST REPORT

FOR

COMPLIANCE TO G.S.R 291 (E) dated 24.04.2014



1. Company and Vehicle model and it's variant(s) details:

| Documental Reference | | Vehicle Manufacturer | |
|---|--|---|---------------------|
| Current Document | | M/s. Saboo Tor Private Limited | |
| Company Address | | Plant Address | |
| Trilokpur Road, Saboo Tor Private Limited, Kala Amb, Sirmaur, Himachal Pradesh, Pin-173 030 | | Trilokpur Road, Saboo Tor Private Limited, Kala Amb, Sirmaur, Himachal Pradesh, Pin-173 030 | |
| Base Model | | Vehicle Description | Working Voltage (V) |
| Birla e smart | | Two Wheeler Battery Operated Vehicle without Pedal Assistance | 60 |
| Variant(s) | BIRAL XL, BIRLA AMBITION, BIRLA SPARK, BIRLA QUANTO, BIRLA ELECTRO | | |

2. Test Objective:





To carry out testing/verification of electric two wheeler having power less than 250W for exemption under CMVR vide GSR 291 (E) dated 24.04.2014.

3. Observations & Test Results: (Refer ANNEXURE - I, II, III, IV, V & VI for photographs)

| Parameter | Requirement | Observed | Compliance Verified |
|----------------------------------|--------------------------------|------------------------------------|---------------------|
| Max Speed | < 25 kmph | 20.4 kmph | ✓ |
| Max 30 min Power | < 250 W | 133 W | |
| Unladen Weight (Without battery) | ≤ 60 kg | 58kg, 57kg, 56kg, 58kg, 59kg, 57kg | |
| Fitment of reflector (Front) | White colour | White colour | |
| Fitment of reflector (Rear) | Red colour | Red colour | |
| Suitable braking system | Fitted | Fitted | |
| Description | Make | Model / Part Id | |
| Motor | M/s. Saboo Tor Private Limited | SM60V250 | |
| Controller | M/s. Saboo Tor Private Limited | SC60V250 | |

4. Conclusion:

The vehicle model and it's variant(s) mentioned in clause 1 does not deem to be a motor vehicle and complies(y) to CMVR requirements as per the exemption criteria specified in GSR 291 (E) dated 24.04.2014.

| | | |
|--|---|--|
| Power Test Report No. | CT0PQ 0772 dt. 28.09.2021 | |
| ICAT Ref No. | 2021-1065 (IOCS NO. 152948) | Please turn over for DISCLAIMER |
| AUTHORISED SIGNATORY | | |
|  ICAT PRASHANT VIJAY DEPUTY GENERAL MANAGER |  |  ICAT DINESH TYAGI DIRECTOR |
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ANNEXURE - I

| | |
|---|--|
|  |  |
| <u>Front View</u> | <u>Rear View</u> |
|  |  |
| <u>Side View</u> | <u>Side View</u> |
|  |  |
| <u>Motor</u> | <u>Controller</u> |

Birla e smart

| | | |
|---|---|---|
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ANNEXURE - II

| | |
|---|--|
|  |  |
| <p><u>Front View</u></p> | <p><u>Rear View</u></p> |
|  |  |
| <p><u>Side View</u></p> | <p><u>Side View</u></p> |
|  |  |
| <p><u>Motor</u></p> | <p><u>Controller</u></p> |

BIRAL XL

AUTHORISED SIGNATORY

| | | | |
|---|---|---|--|
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ANNEXURE - III

| | |
|---|--|
|  |  |
| <p align="center"><u>Front View</u></p> | <p align="center"><u>Rear View</u></p> |
|  |  |
| <p align="center"><u>Side View</u></p> | <p align="center"><u>Side View</u></p> |
|  |  |
| <p align="center"><u>Motor</u></p> | <p align="center"><u>Controller</u></p> |

BIRLA AMBITION

| | | |
|--|---|--|
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ANNEXURE - IV

| | |
|---|--|
|  |  |
| <p>Front View</p> | <p>Rear View</p> |
|  |  |
| <p>Side View</p> | <p>Side View</p> |
|  |  |
| <p>Motor</p> | <p>Controller</p> |

BIRLA SPARK

| | | |
|--|---|--|
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ANNEXURE - V

| | |
|---|--|
|  |  |
| <p><u>Front View</u></p> | <p><u>Rear View</u></p> |
|  |  |
| <p><u>Side View</u></p> | <p><u>Side View</u></p> |
|  |  |
| <p><u>Motor</u></p> | <p><u>Controller</u></p> |

BIRLA QUANTO

| | | |
|---|---|--|
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ANNEXURE - VI

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| | |
|---|--|
|  |  |
| <p><u>Front View</u></p> | <p><u>Rear View</u></p> |
|  |  |
| <p><u>Side View</u></p> | <p><u>Side View</u></p> |
|  |  |
| <p><u>Motor</u></p> | <p><u>Controller</u></p> |

BIRLA ELECTRO

| | | |
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