

DRAFT

AUTOMOTIVE INDUSTRY STANDARD

**Procedure for Establishing Whole Vehicle
Safety Conformity of Production
(WVSCOP) for L, M, N category of
vehicles, E-rickshaws & E-carts**

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Note: Clauses in braces {...} are based on principles of requirements
in TAP 115

(Status chart of the standard to be used by the purchaser for updating the record)

| S.No | Corrigenda | Amendment | Revision | Date | Remark | Misc. |
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General remarks:

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INTRODUCTION

The Government of India felt the need for a permanent agency to expedite the publication of standards and development of test facilities in parallel when the work on the preparation of the standards is going on, as the development of improved safety critical parts can be undertaken only after the publication of the standard and commissioning of test facilities. To this end, the erstwhile Ministry of Surface Transport (MoST) has constituted a permanent Automotive Industry Standards Committee (AISC) vide order No. RT-11028/11/97-MVL dated September 15, 1997. The standards prepared by AISC will be approved by the permanent CMVR Technical Standing Committee (CTSC). After approval, the Automotive Research Association of India (ARAI), Pune, being the secretariat of the AIS Committee, will publish this standard.

The foundation principle of this standard is that every vehicle, system(s), or part approved under CMVR must be so manufactured/imported as to conform to vehicle type approved by meeting the applicable requirements under CMVR. Further, in order that the procedure for monitoring conformity of production as envisaged in CMV rule 126A has been correctly implemented and functions properly, vehicles manufactured / imported in India would need to be regularly checked by the authority designated for that purpose.

In preparing the standard the panel studied the COP procedures used in automotive legislation in developed markets where practices ranging from self-certification to audited certification exist. The current Indian procedure (TAP 115) which mandates a supervised physical testing regime for verifying conformity of production of vehicle/engine tailpipe and crankcase emissions under CMVR 115 and requirements for performance of the vehicle safety components under AIS 037 were also considered. It was concluded that a comprehensive procedure consisting of supervised inspection, installation checks and physical tests on randomly selected vehicles would provide the highest level of assurance to all stakeholders. This standard specifies such a procedure.

**PROCEDURE FOR ESTABLISHING WHOLE VEHICLE SAFETY
CONFORMITY OF PRODUCTION (WVSCOP) FOR L,
M,N,CATEGORY OF VEHICLES, E-RICKSHAWS AND E-CARTS**

1.0 SCOPE

- 1.1 This standard is applicable to L, M, N category of vehicles, E-rickshaws and E-carts type approved under CMVR.
- 1.2 Vehicles which are exempted by the Govt. of India from Type Approval for compliance to Central Motor Vehicle Rules 1989 (CMVR) are exempted from the requirements of this standard (Example: vehicles imported under DGFT rules and Defense vehicles).
- 1.3 Vehicles which are exempted from CoP requirements under CMVR are exempted from the requirements of this standard.

2.0 DEFINITIONS

For the purpose of this standard, following definitions shall apply.

- 2.1 **Sample:** Sample is the test vehicle model/variant selected randomly by the test agency for evaluation against this standard.
- 2.2 **WVSCoP Family:** A pre-identified group of vehicle models and variants to which the test results and pass-fail decisions observed on the sample model / variant shall be extended.
- 2.3 **Manufacturer:** means the person or body who is responsible to the type approval authority for all aspects of the type-approval process and for ensuring conformity of production.
- 2.4 **Importer:** means a person or body importing vehicles for sale in India and who is responsible to the type approval authority for all aspects of the type-approval process and for ensuring conformity of production.
- 2.5 **Nodal Agency:** The arm of the Government of India responsible for implementation of the CMV Rules 1989, presently the Ministry of Road Transport & Highways.
- 2.6 **Applicant** means manufacturer and/or importer who applies for approval as per this standard.
- 2.7 **Test Agency** is an organization specified in Rule 126 of CMVR for testing and certification of compliance to the provisions of CMVR.
- 2.8 **WVSCoP Period** means the period in which the vehicles manufactured / imported by vehicle manufacturer and/or importer shall be verified for one cycle of conformity to the provisions of this standard. It shall start from 1st April of the year.

- 2.9 {**Small volume vehicle** is a vehicle which including its base model and its variants, manufactured in or imported into India has a volume of less than 250 vehicles in any consecutive period of six months during WVSCoP period.}

3.0 APPLICATION FOR WVSCoP VERIFICATION

- 3.1 The application for approval of a WVSCoP family for compliance to the safety requirements in this standard shall be submitted by the vehicle manufacturer and/or importer along with the information specified in the formats provided in clause 10 {within three months of the start of the WVSCoP period}. Along with this application, the details of WVSCoP family, for which application is being made shall be submitted as per 4.2.1.1.

{In case the manufacturer and/or importer foresee that the application as per this clause cannot be submitted within time period specified therein, he should intimate the test agency that the application submission would be delayed. In this case, test agency may allow the manufacturer and/or importer one additional month for submission of application. If this communication is not received within three months or if the application is not received within four months from the manufacturer and/or importer, then test agency shall inform the nodal agency that the manufacturer and/or importer has not applied for a WVSCoP family due for WVSCoP

verification.}

3.2 Selection of Test Agency for conducting the WVSCoP

- 3.2.1 In the case of first WVSCoP, if any WVSCoP family being offered has models/ variants type approved by only one test agency the manufacturer and /or importer shall apply for WVSCoP to that test agency.
- 3.2.2 If any WVSCoP family has models/ variants type approved by more than one test agency, then the manufacturer and/or importer shall apply to any one among the several type approving test agencies (see clause 2.7) with copy of application to other concerned test agency/agencies as applicable.
- 3.3 {The manufacturer and/or importer may apply for change to any test agency provided:
- 3.3.1 It is the second or later WVSCoP verification for that WVSCoP family and,
- 3.3.2 The application is made at least one month prior to the start of the WVSCoP period, and
- 3.3.3 The manufacturer and/or importer obtains an authentication from the previous WVSCoP agency for the change with relevant documents referred in clause 10, and
- 3.3.4 The new test agency may if necessary consult the previous WVSCoP test agency on any matters relevant to the application in the course of the WVSCoP verification.}
- 3.4 {Once a manufacturer and/or importer has applied to a test agency for WVSCoP verification for a WVSCoP family, the manufacturer and/or importer shall not

transfer the application to any other test agency unless the ongoing WVSCoP verification process including any set of actions arising consequent to a WVSCoP failure are completed.}

- 3.5 {The manufacturer and/or importer shall co-ordinate timely with the test agency for finalizing a time schedule for conducting and completing the WVSCoP verification.}
- 3.6 {The manufacturer and/or importer shall inform the test agency timely about any expected stoppage, resumption or commencement of manufacturing/import of specific models /variants during the WVSCoP period so that test agency can respond suitably with appropriate rescheduling of WVSCoP verification.}
- 3.7 {In case of resumption of production / import of a vehicle model / variant after a stoppage of production/import of a model /variant, the manufacturer and/or importer shall inform the test agency within two weeks of the resumption of production/import. The test agency to be informed shall be the one conducting an ongoing WVSCoP verification of the WVSCoP family to which the model/variant belongs or, if WVSCoP verification is not ongoing, then to the test agency which has type approved the model / variant. The WVSCoP period for this resumed model/variant shall be as specified in clause 5.3.4}

4.0 GENERAL REQUIREMENTS

- 4.1 **Frequency of WVSCoP tests:** The test agency to whom an application has been made under clause 3.0 above shall, in accordance with the requirements laid down in clause 6.0 of this standard, conduct tests on vehicles drawn from the manufacturing plant/import premises once in two years to verify whether these vehicles conform to the specified requirements.

- 4.2 **Creation of WVSCoP families and addition or deletion of a model/ variant to them:**

- 4.2.1 **Creation of WVSCoP families:**

- 4.2.1.1 Every manufacturer and/or importer shall submit the initial intended list of WVSCoP families and its composition as per the format given in Table.1 below to any test agency mentioned in clause 3.2 before the beginning of WVSCoP period or at the latest while submitting the WVSCoP application referred in clause no. 3.1.

This list shall cover all the type approved models / variants manufactured or imported for sale in India. At least one list each shall be given for every clause from clauses 5.5 to 5.10 (as applicable to the manufacturer and/or importer) for the categories of vehicles covered therein.

The test agency shall authorize the list of WVSCoP families and its composition regarding its compliance to the requirements specified in 4.2.1.2 at the commencement of WVSCoP period.

Any changes in the details of WVSCoP families (see Table 1) arising out from clauses 4.2.2 and 4.2.3 shall be intimated to the test agency which approved the WVSCoP list originally or to the test agency which is carrying out COP for that concerned WVSCoP family.

Table 1: Details of WVSCOP Families

| Sl. No. | WVSCOP Family name(s) | Base Model name(s) | Variant name(s) | CMVR Type Approval Certificate (see note 1) | | Vehicle Category as per AIS-053/ IS 14272 | Plant(s) / premises produced or imported | Type of power train (CI / SI /Hybrid electric/ Full Electric) (For L1, L2, L5, E-rickshaw, E-cart, M1 vehicles and M2/N1 derived from M1) | Engine Capacity in cc (for ICE) | GVW in Tonnes (for N, M2, M3 category vehicles) |
|---------|-----------------------|--------------------|-----------------|---|------|---|--|--|---------------------------------|---|
| | | | | No | Date | | | | | |
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4.2.1.2 The models included in a WVSCOP family shall be as per the following -

- a) They shall qualify to the criteria for WVSCOP definition given in clauses 5.5 to 5.10. Further, all the models in one WVSCOP family shall be from a single parameter range as specified in clauses 5.5 to 5.10 (for example GVW range, engine capacity range, etc).
- b) A WVSCoP family shall contain models/variants of only one manufacturer and/or importer. It shall be permissible for a WVSCoP family to contain models/variants of one manufacturer who is also importer provided that the imported model and model produced in India are identical and type approval certificates for both of them are held by same manufacturer and/or importer.
- c) Maximum number of models (i.e., base models in CMVR certificates) in a WVSCoP family shall not exceed eight.

4.2.2 Addition of models to a WVSCOP family

4.2.2.1 Any new vehicle model(s)/variant(s) which is type approved after the date of implementation of the WVSCoP rule shall be added to an existing WVSCoP family or used to initiate a new WVSCoP family as applicable using the following guidelines:

4.2.2.1.1 A new WVSCOP family shall be initiated in case with the addition of the new model, the family no longer complies with para 4.2.1.2 (c).

4.2.2.1.2 Further it shall be permissible for the new WVSCoP family so created to be merged with the existing WVSCoP family and regrouped as two WVSCOP families for balancing the no. of models in both the WVSCoP families provided the existing

WVSCoP family has not already undergone WVSCoP selection/testing. If however, selection / testing has already been undertaken, such regrouping shall be permitted only in the next WVSCoP period.

- 4.2.2.1.3 If on the addition of new model(s) to any of the existing WVSCoP families, the family fails to meet the criteria prescribed in clauses 5.5 to 5.10, a new family shall be initiated.
- 4.2.2.2 If a model/variant is added to an existing WVSCoP family, on which WVSCoP verification is yet to be undertaken in the prevailing WVSCoP period, then the vehicle shall be included in the list for random selection for WVSCoP verification in the prevailing WVSCoP period.
- 4.2.2.3 If a model/variant is added to an existing WVSCoP family on which WVSCoP verification is either completed or in progress in the prevailing WVSCoP period, then the vehicle shall be included in the list for random selection for WVSCoP verification in the next WVSCoP period

4.2.3 Deletion of models from existing WVSCOP family

If the production of a model/variant is permanently discontinued before the random selection for the WVSCoP cycle, then the manufacturer and/or importer shall take up with the test agency approving WVSCoP family list for removal of the model/variant from the list. However, the consequences of pass/ fail decision obtained on this WVSCoP family shall be applicable to the vehicles of this model/variant produced, if any, during that the prevailing WVSCoP cycle.

- 4.3 {If the commencement of production or import of a new model or its variant or new WVSCOP family is less than two months prior to the beginning of the next sequential WVSCoP period, the newly added models and/or variants or family shall be excluded for WVSCoP for the current WVSCoP period.}
- 4.4 **{Other Exemptions:** A batch of New or modified models/variants intended for field trials are exempted from WVSCoP verification provided their total number does not exceed 500 annually and are not sold to customers.}
- 4.5 **WVSCoP of multi-stage vehicles:** In case of multi-stage type approval and manufacturing, the manufacturer and/or importer of each stage shall be responsible for the conformity of production of the systems or components added at the stage completed by him. The manufacturer and/or importer who modifies or replaces the approved components or systems fitted in the previous stages shall be responsible for the conformity of production of the modified or replaced components / systems used for completion of vehicles.
- 4.6 **Applicability of Tests and Criteria for Extension of Approval:**

The selected model/variant shall be subjected to all tests specified in clause 6.0 applicable to that model/variant as per CMV Rules.

The selected model/variant shall be exempted from a test if the test is not applicable to the selected model/variant as per the CMV Rules.

However, the selected model/variant shall be subjected to those tests which were exempted during type approval based on extensions of results from another (worst case criteria) vehicle.

5.0 WVSCoP FAMILIES & CRITERIA FOR EXTENSION OF APPROVAL

5.1 Reserved.

5.2 Treatment of small volume vehicles

5.2.1 In case a manufacturer and/or importer produces / imports only small volume vehicles, all such small volume vehicle models/variants shall be combined into one WVSCoP family.

5.2.2 In case a manufacturer and/or importer produces / imports a mix of both small volume vehicles and other (non-small) vehicles, the small volume vehicles shall be included in the WVSCoP families created from the non-small families as per the defining characteristics of the WVSCoP families given in clauses 5.5 to 5.10 below.

5.2.2.1 All small volume vehicles which fall outside such WVSCoP families shall be combined into one separate WVSCoP family.

5.3 Selection of samples and applicability of test results

5.3.1 The test agency shall first decide which model or variant is to be selected for sampling from a given WVSCoP family. Test agency shall then pick up one sample vehicle randomly of the vehicle model / variant so chosen, from any one of the plants / importer's premises, where that model/variant is in production or imported {using a random number generating software application} subject to availability of the particular vehicle in the plant/import premises and subject it to the specified tests. It shall be permissible for the test agency to select a model/variant type approved by a different test agency. With suitable agreement between vehicle manufacturer and/or importer and test agency, vehicles chosen for CoP for tailpipe emissions under rule 115 of CMVR may also be used for WVSCoP verification.

5.3.2 In case the sample vehicle model/variant chosen by the test agency from the WVSCoP family for WVSCoP verification is produced in more than one manufacturing plant or imported in more than one premises, the test results and verifications observed on this sample shall be extended to that models/variants included in that family and produced in all such plants/premises.

5.3.3 A manufacturer and/or importer may define additional number of WVSCoP families than necessitated by clause 4.2.1.2. The criteria (such as grouping based on plants, etc.) used by the manufacturer and/or importer for such redistribution of models into additional number of WVSCoP families shall be at the discretion of manufacturer and/or importer. The manufacturer and/or importer shall include the explanation of the criteria for creation of additional WVSCoP families at the end of Table 1. The

test agency shall select one sample vehicle randomly out of the vehicle models / variants, from each one of these families for evaluation.

- 5.3.4 If the model / variant chosen in 5.3.1, is temporarily not in production at the time of random selection, it shall remain as a WVSCoP family member for the prevailing and future WVSCoP periods. In such cases for continuing with the WVSCoP the following options may be followed:
- a. Adjust the WVSCoP selection schedule till that model / variant is in production, provided if it does not affect the WVSCoP time frame.
 - b. Any other model / variant from the same CMVR certificate can be randomly selected.
 - c. If that particular model / variant is in production in another plant and that plant is included in the same family, a sample may be selected from that plant.
- 5.3.5 In case of option 5.3.4(b), the consequences of pass /fail decision obtained on the selected vehicle shall be also applicable to the model / variant temporarily out of production (see clause 8.0).

5.4 WVSCoP Family Nomenclature

Every manufacturer and/or importer shall specify a family nomenclature for each WVSCoP family included in his application for WVSCoP evaluation. However, each family name used by the manufacturer shall be preceded by the “Range Prefix” as specified in clauses 5.5 to 5.10.

5.5 Criteria for defining WVSCoP Families for M1 (including N1 and M2 derived from M1) category vehicles

- 5.5.1 Pivotal parameter governing WVSCoP family will be engine and all engines including those engines fitted in hybrid electric vehicles in one WVSCoP family shall meet the following conditions:
- 5.5.1.1 CI & SI engines to be treated as separate family.
 - 5.5.1.2 Capacity differences of the engines shall be less than or equal to 20 % (the highest capacity shall be less than or equal to 1.2 times the lowest capacity)
- 5.5.2 An N1 or M2 vehicle which has been derived from an M1 vehicle shall be deemed to belong to same WVSCoP family as the parent M1 vehicle.
- 5.5.3 All vehicles with full electric propulsion of M1 category (including M2 & N1 category derived from M1) shall be treated as one single WVSCoP family.
- 5.5.4 The Range-prefix for M1 category vehicles shall be as given in Table 2a below:

Table 2a. Range Pre-fixes for M1 category vehicles (including M2 & N1 category derived from M1)

| Categories | Range Pre-fixes |
|-------------------------------|-----------------|
| M1 – SI | M1A |
| M1 – CI | M1B |
| M1 – Full Electric propulsion | M1Z |

5.6 Criteria for defining WVSCoP Families for N1, N2 and N3 category vehicles

5.6.1 WVSCoP families for N1, N2 & N3 category vehicles shall be based on GVW ranges as given in Table 2b.

Table 2b GVW ranges for WVSCoP Family creation for N1, N2 and N3 category vehicles

| GVW range, in Tonnes | Category | Range Pre-fixes |
|---------------------------|---------------------|-----------------|
| $GVW \leq 3.5$ | N1 | N1A |
| $3.5 < GVW \leq 7.5$ | N2 | N2A |
| $7.5 < GVW \leq 12.0$ | N2 | N2B |
| $12.0 < GVW \leq 18.5^*$ | N3 2 Axle Rigid | N3A |
| $18.5^* < GVW \leq 28^*$ | N3 Multi Axle Rigid | N3B |
| $28^* < GVW \leq 49.0^*$ | N3 Multi Axle Rigid | N3C |
| $30^* \leq GCW \leq 55.0$ | N3 Tractor | N3D |

** In cases where vehicle models have variants with pneumatic suspension with 1 tonne additional weight per axle, those variants with pneumatic suspension will be considered to be in the same WVSCoP family as the vehicle model(s) with mechanical suspension.*

5.6.2 Vehicles shall be included in these gross vehicle weight families irrespective of their energy source: fossil fuels, bio-fuels, electricity, solar etc. or a mixture of these.

5.6.3 If the variant of a model, because of a higher or lower GVW rating falls in an adjoining WVSCoP family, it shall be permissible to include it in the same family as the parent model.

5.7 Criteria for defining WVSCoP Families for M2 and M3 category vehicles

5.7.1 WVSCoP families for M2 & M3 category vehicles shall be as based on GVW ranges given in Table 3

Table 3 GVW ranges for WVSCoP Family creation for M2 and M3 category vehicles

| GVW range, in Tonnes | Category | Range Pre-fixes |
|--------------------------------|-----------------------------|-----------------|
| $GVW \leq 5.0$ | M2 | M2A |
| $5.0 < GVW \leq 7.5$ | M3 2 Axle Rigid | M3A |
| $7.5 < GVW \leq 12.0$ | M3 2 Axle Rigid | M3B |
| $12.0 < GVW \leq 18.5^*$ | M3 2 Axle Rigid | M3C |
| $18.5^* < GVW \text{ or } GCW$ | M3 Multi Axle & Articulated | M3D |

** In cases where vehicle models have variants with pneumatic suspension with 1 tonne additional weight per axle, those variants with pneumatic suspension will be considered to be in the same WVSCoP family as the vehicle model(s) with mechanical suspension.*

- 5.7.2 Vehicles shall be included in these gross vehicle weight families irrespective of their energy source: fossil fuels, bio-fuels, electricity, solar etc. or a mixture of these.
- 5.7.3 If the variant of a model, because of a higher or lower GVW rating falls in an adjoining WVSCOP family, it shall be permissible to include it in the same family as the parent model.

5.8 Criteria for defining WVSCoP Families for L2 & L1 category vehicles:

- 5.8.1 WVSCoP families for L2 category vehicles shall be based on engine capacity ranges as given in Table 4a. Within the following engine capacity ranges, CI and SI vehicles shall form separate families.

Table 4a WVSCoP Family Definition for L2 category vehicles

| Engine Capacity range, cc | Range Pre-fixes |
|---|---|
| Engine Capacity ≤ 125 | L2A for SI vehicles & L2B for CI vehicles |
| $125 < \text{Engine Capacity} \leq 350$ | L2C for SI vehicles & L2D for CI vehicles |
| $350 < \text{Engine Capacity}$ | L2E for SI vehicles & L2F for CI vehicles |
| All Hybrid vehicles (irrespective of engine cc) | L2Y |
| Full Electric vehicles | L2Z |

- 5.8.1.1 All vehicles with full electric propulsion of L2 category shall be treated as one single WVSCOP family.
- 5.8.2 WVSCoP families for L1 category vehicles produced/imported by a manufacturer and/or importer, shall be as given in Table 4b. CI and SI vehicles shall form separate families. The Range-prefix for L1 category vehicles shall be as given below:

Table 4b WVSCoP Family Definition for L1 category vehicles

| Categories | Range Pre-fixes |
|-------------------------------|-----------------|
| L1 – SI vehicles | L1A |
| L1 – CI vehicles | L1B |
| L1 – Full Electric propulsion | L1Z |

- 5.8.2.1 All vehicles with full electric propulsion of L1 category shall be treated as one single WVSCOP family.

5.9 Criteria for defining WVSCoP Families for L5 category vehicles:

- 5.9.1 In case of IC engine vehicles, the WVSCoP family shall be based on engine capacity with following criteria:
- 5.9.1.1 The engine capacity differences of the engines shall be less than or equal to 20% (the highest capacity shall be less than or equal to 1.2 times the lowest capacity)
- 5.9.2. In case of electric vehicles, all L5 category models/variants shall be treated as one WVSCOP family.

5.9.3 All L5M and L5N vehicles type approved for a manufacturer and/or importer shall be included in one common L5 WVSCOP family subject to conditions specified in clauses 5.9.1.1 and 5.9.2. However, subject to clauses 5.9.1, CI and SI vehicles shall form separate families.

5.9.4 The Range-prefixes for L5 category vehicles shall be as given in Table 4c given below:

Table 4c Range Pre-fixes for L5 category vehicles

| Categories | Range Pre-fixes |
|-------------------------------|-----------------|
| L5 – SI | L5A |
| L5 – CI | L5B |
| L5 – Full Electric propulsion | L5Z |

5.10 Criteria for defining WVSCoP Families for L7 category vehicles:

5.10.1 All the quadricycles (L7 category vehicles) manufactured / imported by a manufacturer and/or importer shall be included in one family. The Range-prefix for L7 category vehicles shall be L7A.

5.11 Criteria for defining WVSCoP Families for E-rickshaws & E-carts:

5.11.1 All the E-rickshaws and E-carts manufactured / imported by a manufacturer and/or importer shall be included in one family. The Range-prefix for these category vehicles shall be 'RCZ'.

6.0 EVALUATIONS FOR WVSCoP VERIFICATION

6.1 The inspections, installation checks and physical tests to be conducted for WVSCoP verification are given in Table-5 below.

Table 5: WVSCoP Requirements

| Sl. No | Parameter | Reference standard (see notes 2&3) | Checks & Tests | L1 & L2 (2W) | L5 (3W) | L7 (Quadri-cycle) | E-rickshaw & E-cart | M1 (Cars & UV's) | N1, N2, N3, M2 & M3 (Trucks & Buses) | Remarks |
|--------|------------------------------------|------------------------------------|---|--------------|---------|-------------------|---------------------|------------------|--------------------------------------|---|
| 1 | Lighting & Light signaling devices | AIS 008 / AIS 009 | HLLD - Check for provision of fitment of device as approved in TA, | NA | NA | NA | NA | Y | Y | |
| | | | Marking as per AIS-037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | Y | Y | Y | Y | Y | Y | Fitment & Marking of optional lamps to be checked only on those models/variants where the TA shows provision of such parts. |

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| Sl. No | Parameter | Reference standard (see notes 2&3) | Checks & Tests | L1 & L2 (2W) | L5 (3W) | L7 (Quadri-cycle) | E-rickshaw & E-cart | M1 (Cars & UV's) | N1, N2, N3, M2 & M3 (Trucks & Buses) | Remarks |
|--------|--------------------------------------|--|--|--------------|-------------------------|-------------------|---------------------|----------------------------------|--------------------------------------|---------|
| 2 | Reflective tape | AIS 090 | Marking as per AIS-037 | NA | NA | NA | NA | NA | Y | |
| 3 | Rear Marking plate (For Trucks Only) | AIS 089 | Marking as per AIS-037 | NA | NA | NA | NA | NA | Y (Trucks Only) | |
| 4 | Horn | IS 15796 | dB(A) level test as per Clause 6 of IS 15796:2008 | Y | Y | Y | NA | Y | Y | |
| | | IS 1884 | Marking as per AIS-037 | | | | | | | |
| 5 | Rear View Mirror | AIS 001 | Marking as per AIS-037 | Y | Y | Y | NA | Y | Y | |
| | | AIS 002 | Check for class of Mirrors & marking as per TA | Y | Y | Y | NA | Y | Y | |
| | | | Check for mirror mounting arrangements as per TA | NA | NA | NA | NA | NA | Y | |
| 6 | Windscreen wiping | IS 15802 / IS 15804 / AIS 045 | Wiper blade & arm length Wiping frequency check | NA | Y (If fitted as per TA) | Y | NA | Y | Y | |
| 7 | Safety glass | IS 2553 (Part 2) | Marking as per AIS-037 | NA | Y (if fitted as per TA) | Y | NA | Y | Y | |
| 8 | Passenger handholds / Pillion hold | AIS 046 / IS 14495 | Whether Fitted | Y | Y | Y | NA | Y (if applicable as per AIS-046) | Y | |
| 9 | Spray Suppression Device | AIS 013 (Rev.1) / AIS 103 | Marking as per TA | NA | NA | NA | NA | NA | Y (only for trucks) | |
| 10 | Brake | IS 11852 / IS 14664, IS 14664 AIS-049 for electric vehicles | 4 wheelers (M&N) & Quadricycles (L7): IS 11852 (Part 3):2001 Clause 3.2.2.1 & 4.1.2 (laden) <u>Two Wheelers (L1 & L2) and three</u> | Y | Y | Y | NA | Y | Y | |

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| Sl. No | Parameter | Reference standard (see notes 2&3) | Checks & Tests | L1 & L2 (2W) | L5 (3W) | L7 (Quadri-cycle) | E-rickshaw & E-cart | M1 (Cars & UV's) | N1, N2, N3, M2 & M3 (Trucks & Buses) | Remarks |
|--------|--------------------|---|--|--------------|------------------------------------|-------------------|---------------------|------------------|--------------------------------------|--|
| | | | <u>wheelers (L5):</u> Refer Table 5.1 below | | | | | | | |
| 11 | Pass by Noise | IS 3028 AIS-049 for electric vehicles | Test as per Clause 7.0 to 11.0 of IS 3028:1998 | Y | Y | Y | NA | Y | Y | Applicable limit shall be 1 dB(A) more than the limit specified for type approval test |
| 12 | Steering | IS 11948 | Steering effort test as per Clause 5.2.4 of IS 11948:1999 | NA | Y (If fitted with Steering wheel)) | Y | NA | Y | Y | |
| 13 | Tyre | IS 15627 / IS 15633 / IS 15636 | BIS Marking or marking as per AIS-037, as applicable | Y | Y | Y | NA | Y | Y | |
| 14 | RUPD | IS 14812 | Mounting as per approved layout | NA | NA | NA | NA | NA | Y (if fitted as per TA) | |
| 15 | SUPD | IS 14682 | Mounting as per approved layout | NA | NA | NA | NA | NA | Y (if fitted as per TA) | |
| 16 | Seat belt | IS 15140 | Marking as per AIS-037 | NA | NA | Y | NA | Y | NA | |
| | | | Fitment check | NA | NA | Y | NA | Y | Y | |
| 17 | CNG / LPG Vehicles | AIS 024 / AIS-025 / AIS-026 / AIS-027 / AIS 028 | BIS Marking of gas cylinders, Marking as per AIS-037 of CNG Pressure Regulator, LPG Pressure regulator/ Vapourizer | Y | Y | Y | NA | Y | Y | |
| 18 | Traction Batteries | AIS 048 | Marking as per AIS-037 | Y | Y | Y | Y | Y | Y | Only for Electric vehicles |
| 19 | SLF | AIS-018 | Testing to verify lock speed as per clause 5.7.3.4.1 of AIS 018:2001 | NA | NA | NA | NA | Y | Y | |
| 20 | FUPD | AIS-069 | Mounting as per approved layout | NA | NA | NA | NA | NA | Y, as applicable, if fitted | |

| Sl. No | Parameter | Reference standard (see notes 2&3) | Checks & Tests | L1 & L2 (2W) | L5 (3W) | L7 (Quadri-cycle) | E-rickshaw & E-cart | M1 (Cars & UV's) | N1, N2, N3, M2 & M3 (Trucks & Buses) | Remarks |
|--------|--|------------------------------------|-----------------------------|--------------|---------|-------------------|---------------------|------------------|--------------------------------------|---|
| 21 | Protection against electric shock | AIS-038 | Clause 3.1 of AIS-038:2015 | Y | Y | Y | Y | Y | Y | Only for Electric vehicles |
| 22 | Washing Test | AIS-038 | Clause 3.5.1 of AIS-038 | Y | Y | Y | Y | Y | Y | Only for Electric vehicles |
| 23 | Measurement of Net Power and Maximum Speed | AIS-041:2003 | Clause 5.3 & 6.0 of AIS-041 | NA | NA | NA | Y | NA | NA | Only for Electric vehicles Max. net power must not exceed 2000W. Max speed shall not exceed 25 kmph |

- Note: 1) The components supposed to be fitted as per type approval certificate of the model shall be fitted. For "if fitted" items mentioned in table above, compliance shall be verified to the respective standard, only if the particular item is fitted in the vehicle.
- 2) The standards listed above are without 'year' and revision references. The level of applicability of the standards shall be as specified in clause 9.1 and the level applied shall be indicated in the WVSCoP test reports/certificate.
- 3) The indicated standards shall be as applicable to the categories of the vehicles indicated in column 4 to 8 above.
- 4)

Table 5.1 Details of brake testing for two & three wheelers

| S No. | Condition | Two Wheelers (L1, L2 category) | Three Wheelers (L5 category) |
|-------|---|---|---|
| 1 | If type approval has been issued based on IS 14664-1999 | Tests shall be as per 8.1.1 with following criteria: 1. Sl. No. (i), (ii), (iv) and (v) of Table 1 of IS 14664:1999 . Sl. No. (iii) and (vi) of Table 1 of IS 14664 : 1999 if it has been carried out for type approval based on clause 12.9 of IS 14664 : 1999. | Tests as per 8.1.1 with following criteria: 1. With two independent controls: a) Sr. No. (i) & (iii) of Table 2. of IS 14664:1999 b) Sr. No. (ii) & (iv) if it has been carried out for TA based on the clause 12.10. of IS 14664:1999 2. With one control acting on all three wheels: Sr. No. (v) of Table 2 of IS 14664:1999 |
| 2 | If type approval has been issued based on IS 14664-2010 | 1. For 3-1 category: Test shall be as per 5.3.3. of IS 14664:2010 Sl. No. (i), and (vi) of Table 1 of IS 14664:2010 in laden condition 2. For 3-3 category: Test shall be as per 5.3.3. of IS 14664:2010 Sl. No. (iii) and (viii) of Table 1 of IS 14664:2010 in laden condition . | 1. For 3-2 category: Test shall be as per 5.3.3 of IS 14664:2010 a) If independent controls are provided then, Sr. No. (ii) & (vii) of Table 1 of IS 14664:2010 in laden condition. |

| | | | |
|--|--|---|---|
| | | <p>3. If with CBS:</p> <ul style="list-style-type: none">• With operating the control actuating both brakes tests shall be as per Table 1 of IS 14664:2010 in laden condition:<ul style="list-style-type: none">a) Sr. No. (xi) of Table 1 of IS 14664:2010 for category 3-1b) Sr. No.(xii) of Table 1 of IS 14664:2010 for category 3-3,• With operating the other control,<ul style="list-style-type: none">a) if it actuates brake on front wheel test shall be as per: Sl no, (i) and (iii) of Table 1 of IS 14664:2010.b) if it actuates brake on rear wheel tests shall be as per: Sl no, (vi) and(viii) of Table 1 of IS 14664:2010. | <p>b) If Single control is provided then Sr. No. (xi) of Table 1 in laden condition.</p> <p>For 3-5 category: Test shall be as per 5.3.3 of IS 14664:2010 : Sl. No. (xiv) of Table 1 in laden condition;</p> |
|--|--|---|---|

7.0 SAMPLING PLANS AND TEST PASSING CRITERIA

- 7.1 {The test agency shall inform the manufacturer and/or importer not more than two days in advance its time schedule for the random selection from the manufacturer's and/or importer's premises. If the manufacturer and/or importer is unable to adhere to the proposed time schedule because of reasons such as zero or inadequate number of manufacture or import of the chosen model/variant, then the time schedule shall be modified by the test agency based on the manufacturing/import data provided by manufacturer and/or importer.}
- 7.2 {For the random sample selection the manufacturer and/or importer shall offer a population equivalent to one day's production/import subject to a minimum of 10 and maximum of 100. For small volume vehicles as specified in clause 5.2, the manufacturer and/or importer may directly deliver one vehicle to the test agency.}
- 7.3 {A vehicle is considered as "produced" when the vehicle has passed the final inspection stage as declared by the manufacturer and/or importer.}
- 7.4 The manufacturer and/or importer shall submit additional details of the vehicle model/variant sample chosen for testing as specified in the format in clause 10.2.
- 7.5 Once the test agency has selected a sample vehicle randomly from a lot of produced/imported vehicles, the manufacturer and/or importer shall hand over the control of the vehicle to the test agency.
- 7.6 At the request of the manufacturer and/or importer {the test agency shall permit the manufacturer and/or importer under the former's supervision to conduct on the chosen vehicle any pre-delivery inspection as per the procedure declared during type approval.}
- 7.7 {The selected sample shall then be sealed and dispatched immediately by the manufacturer and/or importer in the presence of the test agency representative. Wherever immediate dispatch is not possible the vehicle shall be sealed in a closed

container or in a closed room for later dispatch in the presence of the test agency representative.}

- 7.8 {Prior to the track tests, any necessary preparation of vehicle such as running-in of the vehicle, bedding in of the brakes, etc. as prescribed in the relevant standard or as prescribed by the manufacturer and/or importer shall be carried out. After the running-in and prior to the track tests, routine adjustments as recommended in the manufacturer's and/or importer's customer support literature shall be carried out on the vehicle.}
- 7.9 **Use of Manufacturer's and/or Importer's test facility for WVSCoP verification:** The test agency shall have the discretion to conduct the inspection and installation checks given in table 5 at the manufacturer's and/or importer's facilities. {Similarly, the test agency shall at its discretion conduct the track tests at manufacturer's and/or importer's test facilities provided the facilities have either a valid accreditation from one of the test agencies specified in Rule 126 of CMVR 1989 or a valid certificate of compliance to ISO/IEC 17025}
- 7.10 **{Repairs:** In case of any failure of any vehicle components during the running-in or testing and if the components are unlikely to influence the test results, it shall be permissible to replace such failed components but only once and to continue the tests. In case the failed component is likely to influence the test result another sample of the same model/variant shall be again randomly selected. Alternatively based on concurrence between the test agency and the manufacturer and/or importer it shall also be permissible to replace the failed components on the sample vehicle and repeat the ongoing test.} {In case if there is a repeat failure of the same test-influencing component the failure shall be reported to the nodal agency and directions sought while test agency continues with WVSCoP verification.} In any case, replacement of failed components shall happen under supervision of test agency only.
- 7.11 While the manufacturer's and/or importer's representative may be present as an observer in the evaluation activities in consultation with the test agency, the representative shall not be permitted any physical access to the vehicle or its test instrumentation, without the supervision of test agency.
- 7.12 **Care of the sample vehicle:** As the sample vehicle(s) chosen for WVSCoP verification is intended for sale to customer, the test agency conducting the WVSCoP verification shall take utmost care in preserving its performance and original interior and exterior appearance.
- 7.13 **The Max-20 statistical procedure**
- 7.13.1 The pass or fail decision of WVSCoP verification shall be based on the Max-20 system explained below.
- 7.13.2 For each of the tests applicable to the sample vehicle(s) where the test statistic is the number of vehicles which have NOT met the limit criteria for tests, then

- 7.13.2.1 If the test statistic does not exceed the pass decision number for the sample size given in the table 6, a pass decision is reached for the test,
- 7.13.2.2 If the test statistic equals or exceeds the fail decision number for the sample size given in the table 6, a fail decision is reached for the test,
- 7.13.2.3 Otherwise an additional vehicle is randomly chosen and tested, and the procedure is applied to the total sample set with this one extra unit added.

Table 6 Max-20 Sampling Sequence

| Cumulative sample size | Pass decision No. | Fail decision No. |
|-------------------------------|--------------------------|--------------------------|
| 1 | 0 | - |
| 3 | 1 | - |
| 4 | 1 | - |
| 5 | 1 | 5 |
| 6 | 2 | 6 |
| 7 | 2 | 6 |
| 8 | 3 | 7 |
| 9 | 4 | 8 |
| 10 | 4 | 8 |
| 11 | 5 | 9 |
| 12 | 5 | 9 |
| 13 | 6 | 10 |
| 14 | 6 | 11 |
| 15 | 7 | 11 |
| 16 | 8 | 12 |
| 17 | 8 | 12 |
| 18 | 9 | 13 |
| 19 | 9 | 13 |
| 20 | 11 | 12 |

- 7.14 In the max-20 verification sequence, the additional samples chosen for testing shall be same as the samples chosen so far. In case such additional samples are not available for random selection, then it shall be permissible for the test agency to choose samples from other variants of WVSCoP family which have the same technical characteristics for the purpose of the test(s) to be conducted.
- 7.15 Tests, inspections and checks carried out in first sample & subsequent samples under Max-20 verification procedure**
- 7.15.1 All tests, inspections and checks as per Table 5 (clause 6) shall be conducted on the first sample randomly chosen irrespective of whether the sample fails in some of the tests.
- 7.15.2 Only the tests or inspections or installation checks in which the first sample or cumulative sample size not met the requirements shall be conducted on additional samples as per Max-20 plan. The tests, inspections & checks in which the samples

chosen so far have met the requirements shall not be re-conducted on the subsequent samples.

- 7.15.3 In case a “failed” decision is obtained as a result of the Max-20 process for any requirement of Table-5, verification for other requirements of Table-5 shall continue to be undertaken as required by the Max-20 process.
- 7.16 {If the testing of a vehicle model/variant of a WVSCoP family with one or more samples as per Table 6 is not completed by the end of the ongoing WVSCoP period, the WVSCoP verification shall be completed with samples randomly chosen from the next WVSCoP period. Such selection shall be executed within two weeks of need arising for such samples and from a population of vehicles which are double of those specified in clause 7.2. In case zero or inadequate number of vehicles is scheduled for production/import when the need for selection arises such selection shall be undertaken within two weeks of start of production/import.} Such selection from the subsequent WVSCoP period shall have no influence on the implementation of the requirements of these rules for that subsequent WVSCoP period.
- 7.17 {The test agency shall complete the testing of the vehicle from a WVSCoP family within twelve weeks of selection of the last sample. If the tested model/variant complies with the requirements of WVSCoP verification, then the test agency shall issue WVSCoP reports (one report per vehicle tested including Max-20 test results) & WVSCoP certificate (one certificate per WVSCoP family) to the manufacturer and/or importer in the formats prescribed in clause 11 & clause 12.}

8 CONSEQUENCES OF FAILURE OF WVSCoP

- 8.1 A model/variant is declared “failed” if it has not complied with the WVSCoP requirements in Table-5 after the Max-20 sampling procedure. A model/variant is also declared “failed” if the manufacturer and/or importer declares that the model/variant has not complied with the WVSCoP requirements in Table-5 before completion of the Max-20 sampling procedure. The consequence of such failures shall be applicable only to the WVSCoP requirements that have not been complied with and no action is required on the WVSCoP requirements that have been complied with.

8.2 Treatment of noncompliance with respect to markings as per AIS-037 on components (see Table-5 of this standard)

- 8.2.1 If any part does not have the markings as per AIS-037 after following max-20 sampling procedure, it shall be treated as a WVSCoP failure and actions as per clause 8.5 to 8.9 shall apply.
- 8.2.2 If the marking as per AIS-037 on the part fitted on the vehicle selected for WVSCoP does not match with markings given in relevant tables of AIS 007 (approved) for that part, the following steps shall be taken.

- 8.2.3 If the affected part does not call for a verification of installation check,
- 8.2.3.1 No action required if application for approval for inclusion of the affected part, has already been submitted to test agency.
- 8.2.3.2 If not, such an application shall be made by the manufacturer and/or importer within one month of the WVSCoP failure. If not, action as per para **8.5** to **8.9** shall be applicable.
- 8.2.4 If the affected part calls for a verification of installation check,
- 8.2.4.1 The installation check for the particular component as per the WVSCoP requirements given in Table-5 of this standard shall be carried out on the vehicle selected for WVSCoP.. If the installation requirements are complied with the type approval requirements, conditions of 8.2.3 shall apply, to the models/variants which can be represented by the random selected model/variant according to Criteria for Extension of Approval (CEA). For clearing the models/variants not covered by selected models/variants, additional test to be carried out on another representative worst case model/variant.
- 8.2.4.2 If the installation requirements are not complied with, it shall be treated as a WVSCoP failure and action plan as per para **8.5** to **8.9** shall apply.
- 8.2.4.3. Above procedure is also applicable in the case of marking of safety critical components, whose markings are described in AIS 007.
- 8.3** {If a model/variant is declared “failed” against the requirements of WVSCoP as per clause 8.1 based on max-20 sampling procedure, the test agency shall send the copies of the test report to the nodal agency and the manufacturer and/or importer.} The manufacturer and/or importer shall respond immediately to both the test agency and the nodal agency with a WVSCoP restoration plan. Subsequent sample selection and WVSCoP tests, inspections and checks by the test agency shall continue as specified in clause 8.8.
- 8.4** {The nodal agency shall make a decision and convey the same to the manufacturer and/or importer and test agency after receipt of the failure report of the WVSCoP, and after calling for a standing committee meeting to discuss and advise the nodal agency. The vehicle manufacturer and/or importer shall be given an opportunity to present his case to the committee before the committee advises the nodal agency. Based on the recommendations of the committee, the nodal agency may issue the order for withdrawal of type approval certificate of the non-complying models/variants that are declared as “failed” from particular WVSCoP family in clause 8.1, and stop dispatch of such vehicles by the manufacturer and/or importer.} Manufacturer and/or importer shall be permitted to continue production / import / dispatch / sale of vehicles of the particular models/variants till the order from nodal agency is issued to the manufacturer and/or importer. However, if implementation of corrective action (as per clause **8.5**) has not been completed **within 6 months** of the

failure date, vehicles without implementation of corrective action shall not be dispatched from the manufacturer's plant(s) / importer's premise(s).

8.5 Implementation of corrective actions:

8.5.1 {In case the type approval certificate has been withdrawn as per clause 8.4 above, the manufacturer and/or importer shall subsequently identify the reason for the model/variant not meeting the WVSCoP requirements} (such as but not limited variations across plants, or in batch of production, or in components manufactured/imported) {and the necessary corrective measures, and shall submit the information to the nodal agency and concerned test agency at the earliest and offer a rectified vehicle for WVSCoP re-verification.} Optionally, at its discretion the test agency may re-verify WVSCoP requirements on the basis of the test reports submitted by the manufacturer and/or importer.

8.5.2 {If the modifications are only in the production process without involving any design change (for example parameters as declared in AIS-007, etc.), it shall be demonstrated to meet the failed requirements of Table-5 as applicable on the manufacturing date of first random sample selection of the model/variant. If the modifications call for changes resulting in a design change} (for example parameters as declared in AIS-007, etc.), it shall meet the type approval requirements as prevailing on the manufacturing date of first random sample selection} and fresh type approval shall be obtained with due consideration for any CEA or WCC as may be applicable. In either case the submitted vehicle shall meet the requirement without application of the Max-20 statistical procedure.

8.5.3 {If the rectified vehicle complies with the relevant WVSCoP requirements, the manufacturer and/or importer shall inform the nodal agency and concerned test agency which has carried out the WVSCoP verification, the modifications which are to be finally carried out on the vehicles to be produced/imported in future and the vehicles already produced/imported which would require retro-fitment or rectifications. Type approval shall then be restored by the nodal agency and production/import of the model/variant can be resumed at the discretion of nodal agency. Further, a confirmative WVSCoP shall be carried out within six months of resumption of production/import against the requirements of this standard if a regular WVSCoP is not scheduled within this period. If regular WVSCoP is scheduled within that period, this confirmative WVSCoP need not be carried out.}

8.6 {The manufacturer and/or importer is also permitted to offer the rectified vehicle from serial production, for random selection if the changes are in the production process and not in the design of the vehicle. In case the manufacturer and/or importer offers serially produced vehicle for random selection from a population, the confirmative WVSCoP verification mentioned above need not be carried out. Test agency shall issue WVSCoP reports and certificate after the ongoing WVSCoP is complete.}

- 8.7 {If the rectified vehicle offered for WVSCoP re-verification as per clause 8.5.1 does not meet the WVSCoP requirements in Table-5, actions under clauses 8.4 to 8.6 shall be repeated.}
- 8.8 In addition to actions as per clauses 8.3 to 8.7, to verify the WVSCoP of the remaining vehicles in the WVSCoP family the test agency may randomly select additional model(s)/variant(s) from the WVSCoP family and subject them to the requirements of this standard. The test agency at its discretion shall choose minimum number of model(s)/variant(s) so that the results observed on additional model(s)/variant(s) can be extended to the remaining vehicle models/variants within that particular WVSCoP family.
- 8.9 **Implementation of corrective actions in the affected vehicles:**
- 8.9.1 {It shall be the responsibility of the manufacturer and/or importer to ensure at his cost that the modifications (as finalized in clause 8.5) are carried out and / or modified components (as finalized in clause 8.5) are retrofitted, within a period specified by the nodal agency, on all the vehicles (belonging to the WVSCoP family) manufactured / imported after the date on which the WVSCoP became due as per clause 4.1. till the implementation of corrective action in serial production}

9 TRANSITIONAL PROVISIONS

- 9.1 Compliance to the WVSCoP requirements as per the regulations or standards listed in Table-5, AIS 007 specifications shall be as applicable on the date of manufacture of sample vehicle and not on the date of selection or not on the date of issue of WVSCoP report/certificate as per this standard. However, it shall be permissible for the manufacturer and/or importer to opt for the test to be conducted as per the latest notified amendment or revision of standards covered in Table-5.
- 9.2 The safety component type approval and CoP certificates as per AIS 037/BIS need to be valid on the date of manufacture/import of the vehicle and not on the date of WVSCoP verification. If any TA/CoP certificate as per AIS 037/BIS has expired, it shall not be considered as WVSCoP noncompliance, provided the manufacturer and/or importer submits the proof that the application for fresh CoP of such components has already been submitted to test agency.
- 9.3 The implementation date for revision of a standard referred in Table 5, shall be same as the notified date for implementation of the standard for manufacturing of vehicles irrespective of whether or not Table 5 has been updated to reflect the revision of the particular standard.
- 9.4 In the case of multistage vehicles the date of manufacture of the first stage (for example, drive away chassis) shall be treated as the date of manufacture of the multistage vehicle.

10 INFORMATION TO BE SUBMITTED BY THE VEHICLE MANUFACTURER AND/OR IMPORTER

10.1 Information given in Table-7 below shall be submitted by the vehicle manufacturer and/or importer when applying for WVSCoP.

Table 7 – Information to be submitted by the Vehicle Manufacturer and/or Importer for WVSCoP family under approval

| | | |
|------------|---|--|
| 1.0 | Details of the Applicant: | |
| 1.1 | Name & address of the Applicant | |
| 1.2 | Telephone No | |
| 1.3 | Fax No. | |
| 1.4 | E-mail address | |
| 1.5 | Contact person | |
| 2.0 | Importer's Name and address | |
| 3.0 | Plant(s) of manufacture / import premises | |
| 3.1 | Name & address of vehicle manufacturing plant(s) / import premises (attach annexure if necessary) | |
| 4.0 | Period details | |
| 4.1 | Financial Years | |
| 4.2 | Tentative WVSCOP selection date | |
| 4.3 | 1 st WVSCoP (or) Repeat WVSCOP | |
| 5.0 | Vehicle Family name | |
| 5.1 | Vehicle Base Models / Variants names | Attach separate annexure as per the format given in Table 1. |
| 5.2 | Corresponding CMVR certificate No(s) and date (including applicable extension certificates) | |
| 5.3 | Category of vehicle as per AIS-053/IS 14272 | |
| 5.4 | Engine capacity in cc (for L1, L2, L5, L7, M1, M2/ N1 derived from M1, E-rickshaw & E-cart) | |
| 5.5 | Motor power for full electric / hybrid electric vehicles | |
| 5.6 | GVW in Tonnes (for M2, M3, N category vehicles) | |
| 6.0 | Plant wise Contact details (attach annexure if necessary) | |
| 6.1 | WVSCoP coordinator at Plant(s) of selection | |
| 6.2 | Designation | |
| 6.3 | Telephone No | |
| 6.4 | Fax No. | |
| 6.5 | E-mail address | |
| 7.0 | Name & volume of Models and their variants in WVSCOP family | Attach details as per Table-7.1 below |
| 8.0 | Name of previous WVSCOP test agency, if any | |

Table 7.1 Volume details for Models/Variants in the WVSCoP Family

Family Name:

| Sr. No. | Model / Variant Name | Indicate Base Model (B) or Variant (V) | Plant(s) | CMVR Certificate No. | Certificate date | Vehicle Category as per AIS-053 / IS 14272 | Tentative Production Plan / Actual Production for WVSCoP Period | | Latest WVSCoP Certificate No. (If any) |
|---------|----------------------|--|----------|----------------------|------------------|--|---|----------------------------|--|
| | | | | | | | Year1 (Y1) ⁽²⁾ | Year 2 (Y2) ⁽²⁾ | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes:

1. Fill up one table for each family
2. In case the WVSCoP is to be done in Year 1 (Y1), the tentative production plan figures shall be submitted for Y1 and the data for Year 2 (Y2) need not be submitted. In case the WVSCoP is to be done in Year 2 (Y2), the actual production figures shall be submitted for Y1 and tentative production figures shall be submitted for Y2.

10.2 For each vehicle model/variant selected for WVSCoP, the manufacturer and/or importer shall submit the CMVR type approval certificate of vehicle model/variant selected along with the corresponding endorsed CMVR specifications to the test agency to whom the application for WVSCoP is submitted, if that test agency does not have this information. Manufacturer shall also submit the extracted specifications as per format in Table 8.1 or 8.2 or 8.3 or 8.4, as given below. Test agency shall ensure that the CMVR certificate submitted is updated and relevant for the date of manufacture of the vehicle selected and complies with the requirements of clause 9.1.

Table 8.1 Information to be submitted by the Vehicle Manufacturer and/or Importer for the vehicle model/variant selected for WVSCoP verification (for L category vehicles)

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCoP |
|---------|--|---|--|
| 1 | Lighting & Light signaling devices AIS 008 / AIS 009 | Marking as per AIS 037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | |
| 1.1 | | Main beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.2 | | Dipped beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.3 | | Front Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.4 | | Front direction indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.5 | | Daytime Running lamp | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|--|---|--|
| | | TAC No./ E-marking / BIS License No. | |
| 1.6 | | Front fog lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.7 | Lighting & Light signaling devices AIS 008 / AIS-009 | Front Retro Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.8 | | Stop lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.9 | | Rear Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.10 | | Reversing lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.11 | | Rear Direction Indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.12 | | Rear fog lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.13 | | Rear retro reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.14 | Lighting & Light signaling devices AIS 008 / AIS-009 | Rear Registration plate lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.15 | | Side Direction Indicator Lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.16 | | Side Reflex Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.1 | Horn (IS 1884) | High Tone horn | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.2 | | Low Tone horn | |
| | | TAC No./ E-marking / BIS License No. | |
| 3.1 | Rear view mirror (AIS-001) | Main mirror (Small) [Class III] | |
| | | TAC No./ E-marking / BIS License No. | |
| 3.2 | | Main Exterior mirror [Class VII] (if fitted) | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|---|--|--|
| | | TAC No./ E-marking / BIS License No. | |
| 3.3 | | Interior Mirror (Class-I) | |
| | | TAC No./ E-marking / BIS License No. | |
| 4.1 | Windscreen wiping system [AIS-045] for Quadricycles | Wiper blade length (Driver side) | |
| 4.2 | | Wiper blade length (Co-Driver side) | |
| 4.3 | | Wiper arm length (Driver side) | |
| 4.4 | | Wiper arm length (Co-Driver side) | |
| 4.5 | | Wiping Frequency Check | |
| 5.1 | Safety Glass [IS 2553 (Part 2)] | Front Windshield safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.2 | | Side windows safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.3 | | Rear safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 6.0 | Passenger hand hold (AIS-046): Whether fitted | | |
| 6.1 | Pillion hand hold (IS: 14495): Whether fitted | | |
| 7.0 | Spray suppression device (AIS-103) | Marking on the spray suppression device | |
| 8.0 | CNG / LPG vehicles (AIS-024, AIS-025 , AIS-026 , AIS-027 , AIS-028) | | |
| 8.1 | | Gas cylinder | |
| | | BIS marking | |
| 8.2 | | CNG Pressure Regulator | |
| | | TAC No./ E-marking / BIS License No. | |
| 8.3 | | LPG Pressure regulator / vaporizer | |
| | | TAC No./ E-marking / BIS License No. | |
| 9.0 | Tyres IS 15627/ IS 15633/ IS 15636 | BIS marking or marking as per AIS-037, as applicable | |
| | | Front Tyres | |
| | | Rear Tyres | |
| | | Spare Tyres | |
| 10.0 | Seat belt IS 15140 (for L7 category) | Marking as per AIS-037 | |
| | | Fitment check | |
| 11.0 | Traction Batteries (AIS 048) | Marking as per AIS-037 | |

Table 8.2 Information to be submitted by the Vehicle Manufacturer and/or Importer for the vehicle model/variant selected for WVSCoP verification (for E-rickshaws & E-carts)

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCoP |
|---------|--|---|--|
| 1 | Lighting & Light signaling devices AIS 008 / AIS 009 | Marking as per AIS 037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | |
| 1.1 | | Main beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.2 | | Dipped beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.3 | | Front Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.4 | | Front direction indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.5 | | Front Retro Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.6 | | Stop lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.7 | | Rear Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.8 | | Reversing lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.9 | | Rear Direction Indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.10 | | Rear retro reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.11 | Lighting & Light signaling devices AIS 008 / AIS-009 | Rear Registration plate lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.12 | | Side Direction Indicator Lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.13 | | Side Reflex Reflector | |
| | | TAC No./ E-marking / BIS License No. | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|------------------------------|------------------------|--|
| 2.0 | Traction Batteries (AIS 048) | Marking as per AIS-037 | |

Table 8.3 Information to be submitted by the Vehicle Manufacturer and/or Importer for the vehicle model/variant selected for WVSCoP for verification (for M1 and N1 category vehicles)

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|---|---|--|
| 1.0 | Lighting & Light signaling devices AIS-008 | Marking as per AIS-037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | |
| 1.1 | | Main beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.2 | | Dipped beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.3 | | Front Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.4 | | Front direction indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.5 | | Daytime Running lamp (If provided) | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.6 | | Cornering lamp (If provided) | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.7 | | Front fog lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.8 | Lighting & Light signaling devices AIS 008 | Front Retro Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.9 | | Stop lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.10 | | Rear Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.11 | | Reversing lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.12 | | Rear Direction Indicator lamp | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|---|---|--|
| | | TAC No./ E-marking / BIS License No. | |
| 1.13 | | Rear fog lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.14 | | Rear retro reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.15 | | High mounted stop lamp | |
| | Lighting & Light signaling devices AIS-008 | TAC No./ E-marking / BIS License No. | |
| 1.16 | | Rear Registration plate lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.17 | | Front End outline marker lamps (If fitted) | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.18 | | Rear End outline marker lamps (If fitted) | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.19 | | Side marker lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.20 | | Side Direction Indicator Lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.21 | | Side Reflex Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.1 | Horn (IS 1884) | High Tone horn | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.2 | | Low Tone horn | |
| | | TAC No./ E-marking / BIS License No. | |
| 3.1 | Rear view mirror (AIS-001) | Interior mirror [Class I] | |
| | | TAC No./ E-marking / BIS License No. | |
| 3.2 | | Main mirror (Small) [Class III] | |
| | | TAC No./ E-marking / BIS License No. | |
| 4.1 | Windscreen wiping system [IS: 15802, IS: 15804] | Wiper blade length (Driver side) | |
| 4.2 | | Wiper blade length (Co-Driver side) | |
| 4.3 | | Wiper arm length (Driver side) | |
| 4.4 | | Wiper arm length (Co-Driver side) | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|--|--|--|
| 4.5 | | Wiping Frequency Check | |
| 5.1 | Safety Glass [IS 2553(Part 2)] | Front Windshield safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.2 | | Side windows safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.3 | | Rear safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 6.0 | Passenger hand hold (AIS-046): Whether fitted | | |
| 7.0 | Spray suppression device (AIS-013) | Marking on the spray suppression device | |
| 8.1 | CNG / LPG vehicles (AIS-024, AIS-025, AIS-026, AIS-028) | Gas cylinder | |
| | | BIS marking | |
| 8.2 | | CNG Pressure Regulator | |
| | | TAC No./ E-marking / BIS License No. | |
| 8.3 | | LPG Pressure regulator / vaporizer | |
| | | TAC No./ E-marking / BIS License No. | |
| 9.0 | Tyres IS 15633/ IS 15636 | BIS marking or marking as per AIS-037, as applicable | |
| | | Front Tyres | |
| | | Rear Tyres | |
| | | Spare Tyres | |
| 10.0 | Seat belt IS 15140 | Marking as per AIS-037 (M1 category) | |
| | | Fitment check | |
| 11.0 | Traction Batteries (AIS 048) | Marking as per AIS-037 | |

Table 8.4 Information to be submitted by the Vehicle Manufacturer and/or Importer for the vehicle model/variant selected for WVSCoP verification (for M2, M3, N2 and N3 category vehicles)

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|--|---|--|
| 1.0 | Lighting & Light signaling devices AIS 008 | Marking as per AIS 037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|--|---|--|
| 1.1 | | Main beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.2 | | Dipped beam head lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.3 | | Front Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.4 | | Front direction indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.5 | | Daytime Running lamp (If provided) | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.6 | | Cornering lamp (If provided) | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.7 | | Front fog lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.8 | Lighting & Light signaling devices AIS 008 | Front Retro Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.9 | | Stop lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.10 | | Rear Position / Parking lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.11 | | Reversing lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.12 | | Rear Direction Indicator lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.13 | | Rear fog lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.14 | | Rear retro reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.15 | | High mounted stop lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.16 | Lighting & Light signaling devices AIS 008 | Rear Registration plate lamp | |
| | | TAC No./ E-marking / BIS License No. | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|---|--|--|
| 1.17 | | Front End outline marker lamps | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.18 | | Rear End outline marker lamps | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.19 | | Side marker lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.20 | | Side Direction Indicator Lamp | |
| | | TAC No./ E-marking / BIS License No. | |
| 1.21 | | Side Reflex Reflector | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.1 | Reflective Tape as per AIS-090 | Front Reflective Tape (White) | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.2 | | Rear Reflective Tape (Red) | |
| | | TAC No./ E-marking / BIS License No. | |
| 2.3 | | Side Reflective Tape (Amber) | |
| | | TAC No./ E-marking / BIS License No. | |
| 3.0 | Rear marking plate plate as per AIS-089 | Fitment : Yes/No/Not Applicable | |
| 4.1 | Horn (IS 1884) | High Tone horn | |
| | | TAC No./ E-marking / BIS License No. | |
| 4.2 | | Low Tone horn | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.1 | Rear view mirror (AIS-001) | Interior mirror [Class I] | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.2 | | Main mirror (Large) [Class II] | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.3 | | Main mirror (Small) [Class III] | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.4 | | Wide angle mirror [Class IV] | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.5 | | Close proximity mirror [Class V] | |
| | | TAC No./ E-marking / BIS License No. | |
| 5.6 | | Front mirror [Class VI] | |

| Sr. No. | Ref. Standard | Parameter | Specifications as given in CMVR Type approval certificate of vehicle selected for WVSCOP |
|---------|---|--|--|
| | | TAC No./ E-marking / BIS License No. | |
| 6.0 | Mounting location of the Rear view mirrors as per type approval (AIS-002) | | |
| 7.1 | Windscreen wiping system [IS: 15802, IS: 15804] | Wiper blade length (Driver side) | |
| 7.2 | | Wiper blade length (Co-Driver side) | |
| 7.3 | | Wiper arm length (Driver side) | |
| 7.4 | | Wiper arm length (Co-Driver side) | |
| 7.5 | | Wiping Frequency Check | |
| 8.1 | Safety Glass [IS 2553 (Part 2)] | Front Windshield safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 8.2 | | Side windows safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 8.3 | | Rear safety glass | |
| | | TAC No./ E-marking / BIS License No. | |
| 9.0 | Passenger hand hold (AIS-046): Whether fitted | | |
| 10.0 | Spray suppression device (AIS-013) | Marking on the spray suppression device | |
| 11.1 | CNG / LPG vehicles (AIS-024, AIS-025, AIS-026 , AIS-028) | Gas cylinder | |
| | | BIS marking | |
| 11.2 | | CNG Pressure Regulator | |
| | | TAC No./ E-marking / BIS License No. | |
| 11.3 | | LPG Pressure regulator / vaporizer | |
| | | TAC No./ E-marking / BIS License No. | |
| 12.0 | Tyres IS 15636 | BIS marking or marking as per AIS-037, as applicable | |
| | | Front Tyres | |
| | | Rear Tyres | |
| | | Spare Tyres | |
| | | Other Tyres | |
| 13.0 | RUPD (IS 14812) | Mounting as per approved layout | |
| 14.0 | SUPD (IS 14682) | Mounting as per approved layout | |
| 15.0 | Seat belt IS 15140 | Marking as per AIS-037 (M1 category) | |
| | | Fitment check | |
| 16.0 | Traction Batteries (AIS-048) | Marking as per AIS-037 | |
| 17.0 | FUPD AIS-069 | Mounting as per approved layout | |

11.0 FORMAT OF WVSCoP TEST REPORTS

- 11.1 Format for WVSCOP Test Report shall be as given in Annexure- A
- 11.2 Format for Test report of WVSCoP static verifications shall be as given in Annexure- B
- 11.3 Format for Test report of WVSCOP vehicle performance tests viz. brakes, steering, pass by noise, etc., shall be as given in Annexure-C

12.0 FORMAT OF WVSCoP CERTIFICATE

- 12.1 Format for Certificate for WVSCoP shall be as given in Annexure D.

Annexure A: Format for WVSCOP Test Report

EVALUATIONS REPORT FOR WVSCOP VERIFICATION

| | | | | |
|--|---|---|-------|-----------------|
| Test Report No.: ----- | | | Date: | |
| 1.0 | NAME AND ADDRESS OF THE VEHICLE MANUFACTURER AND/OR IMPORTER | | | |
| 2.0 | Letter Reference: | | | |
| 3.0 | DETAILS OF THE VEHICLE UNDER EVALUATION: | | | |
| | | Category | | Model Name |
| | | Engine No. | | Chassis No. |
| | | GVW | | Engine capacity |
| | | Manufacturing plant & address of selected model | | |
| | | Latest CMVR Type Approval Certificate No. | | |
| | | CMVR Type Approval Certificate Issued by (name of the test agency): | | |
| 4.0 | OBJECTIVE AND REQUIREMENTS: To evaluate the vehicle for WVSCOP (Whole Vehicle Safety Conformity of Production) as per AIS 017 (Part-6):2019 | | | |
| 5.0 | DATE OF EVALUATION | | | |
| 6.0 | RESULTS OF THE VERIFICATION OF THE VEHICLE UNDER WVSCOP APPROVAL: | | | |
| 6.1 | Refer Appendices, as applicable, of this report for the test results of static verifications and dynamic tests of the vehicle under WVSCOP approval. | | | |
| Disclaimer (indicative): | | | | |
| 1. [Name of test agency] issues Whole Vehicle Safety Conformity of Production Certificate” (WVSCOPC) for vehicles based on the documents produced and /or testing carried out on the selected sample(s) as per provisions of specific rules. | | | | |
| 2. [Name of test agency] issues WVSCOPC 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 [Name of test agency] is authorised. Other Rules/ Acts/parameters are outside the purview/ scope of WVSCOPC. | | | | |
| 3. Test(s) on sample(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 WVSCOPC. These results cannot be disclosed unless specifically so ordered by Government, Court, etc. | | | | |

4. [Name of test agency] is not responsible for testing each produced vehicles/ components/ parts/ assemblies etc. for which TAC and **WVSCOPC** are issued. Further, [Name of test agency] is not responsible for ensuring manufacturing quality of the Whole Vehicle Safety Conformity of Production approved/ type approved vehicles/ components/ parts/ assemblies etc.
5. [Name of test agency] is in no way responsible for any misuse or copying of any design/ type/ system in connection with entire vehicle/ components/ parts and assemblies covered under the TAC and **WVSCOPC**.
6. Breach of any statutory provision of Indian laws or laws of other countries will be the sole responsibility of the bearer of TAC and [Name of test agency] shall not be liable for any claims or damages. The bearer shall alone be liable for the same and shall undertake to indemnify [Name of test agency] in this regard.
7. [Name of test agency] has the right, to initiate cancellation/ withdrawal of the **WVSCOPC** issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of [Name of test agency].

The appropriate local courts at [Name of City/Taluka] shall have the jurisdiction in respect of any dispute, claim or liability arising out of this certificate/ Report.

CONCLUSION: Based on the verification of the vehicle for the parameters covered in this test report as per Clause No. 6.0 of AIS 017 (Part-6):2019, following WVSCOP family is granted compliance to these requirements

Details of the WVSCOP family:

WVSCOP Family Name:

| Sr. No. | Base Model (s) | Variant(s) | Plant(s) / Premises produced or imported | CMVR TA Certificate No. | Certificate date |
|---------|----------------|------------|--|-------------------------|------------------|
| | | | | | |
| | | | | | |
| | | | | | |

| | | |
|----------------------|----------------------|----------------------|
| | | |
| PREPARED BY: | CHECKED BY: | APPROVED BY: |
| | | |
| Name and Designation | Name and Designation | Name and Designation |
| Place of Issue: | | Date of Issue: |

**ANNEXURE B: FORMAT FOR TEST REPORT OF WVSCOP STATIC
VERIFICATIONS**

**Appendix-B-1 : RESULTS OF THE STATIC VERIFICATION OF THE VEHICLE
UNDER WVSCOP APPROVAL (For L Category vehicles)**

[See Clause No. 6.1, Table-5 of AIS 017 (Part-6): 2019]

REPORT NO.: -----

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|---|---|---|---------|
| 1 | HLLD (AIS-008 for L7 vehicles) | Check for fitment of device as approved in TA, | | | |
| 2 | Lighting & Light signaling devices AIS 008 / AIS 009 | Marking as per AIS 037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | | | |
| 2.1 | | Main beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.2 | | Dipped beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.3 | | Front Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.4 | | Front direction indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.5 | | Daytime Running lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.6 | | Front fog lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.7 | Lighting & Light signaling devices AIS 008 / AIS-009 | Front Retro Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.8 | | Stop lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|--|---|---|---------|
| 2.9 | | Rear Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.10 | | Reversing lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.11 | | Rear Direction Indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.12 | | Rear fog lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.13 | | Rear retro reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.14 | Lighting & Light signaling devices AIS 008 / AIS-009 | Rear Registration plate lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.15 | | Side Direction Indicator Lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.16 | | Side Reflex Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.0 | Horn (IS 1884) | | | | |
| 3.1 | | High Tone horn | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.2 | | Low Tone horn | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 4.0 | Rear view mirror (AIS- 001) | | | | |
| 4.1 | | Main mirror (Small) [Class III] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|---|---|---|---|---------|
| 4.2 | | Main Exterior mirror [Class VII] (if fitted) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 4.3 | | Interior Mirror (Class-I) (If fitted) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.0 | Windscreen wiping system [AIS-045] for Quadricycles | | | | |
| 5.1 | | Wiper blade length (Driver side) | | | |
| 5.2 | | Wiper blade length (Co-Driver side) | | | |
| 5.3 | | Wiper arm length (Driver side) | | | |
| 5.4 | | Wiper arm length (Co-Driver side) | | | |
| 5.5 | | Wiping Frequency Check | | | |
| 6.0 | Safety Glass [IS 2553 (Part 2)] as applicable | | | | |
| 6.1 | | Front Windshield safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 6.2 | | Side windows safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 6.3 | | Rear safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 7.0 | Passenger hand hold (AIS-046): Whether fitted | | | | |
| 7.1 | Pillion hand hold (IS: 14495): Whether fitted | | | | |
| 8.0 | Spray suppression device (AIS-103) | Marking on the spray suppression device | | | |
| 9.0 | CNG / LPG vehicles (AIS-024, AIS-025, AIS-026, AIS-027, AIS-028) | | | | |
| 9.1 | | Gas cylinder | | | |
| | | BIS marking | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|----------------|---|--|--|--|----------------|
| 9.2 | | CNG Pressure Regulator | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 9.3 | | LPG Pressure regulator / vaporizer | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 10 | Tyres IS 15627/ IS 15633/ IS 15636 | BIS marking or marking as per AIS-037, as applicable | | | |
| | | Front Tyres | | | |
| | | Rear Tyres | | | |
| | | Spare Tyres, if provided | | | |
| | | Other Tyres, if fitted | | | |
| 11 | Seat belt IS 15140 (for L7 category) | Marking as per AIS-037 | | | |
| | | Fitment check | | | |
| 12 | Traction Batteries AIS 048 | Marking as per AIS-037 | | | |

**Appendix-B-2 : RESULTS OF THE STATIC VERIFICATION OF THE VEHICLE
UNDER WVSCOP APPROVAL (For E-rickshaws & E-carts)**

[See Clause No. 6.1, Table-5 of AIS 017 (Part-6): 2019]

REPORT NO.: -----

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|---|---|---|---------|
| 1 | Lighting & Light signaling devices AIS 008 / AIS 009 | Marking as per AIS 037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | | | |
| 1.1 | | Main beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.2 | | Dipped beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.3 | | Front Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.4 | | Front direction indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.5 | | Front Retro Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.6 | | Stop lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.7 | | Rear Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.8 | | Reversing lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.9 | | Rear Direction Indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.10 | | Rear retro reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.11 | | Rear Registration plate lamp | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|----------------|------------------------------|--------------------------------------|--|--|----------------|
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.12 | | Side Direction Indicator Lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 1.13 | | Side Reflex Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2 | Traction Batteries (AIS 048) | Marking as per AIS-037 | | | |

**Appendix-B-3: RESULTS OF THE STATIC VERIFICATION OF THE VEHICLE
UNDER WVSCOP APPROVAL (For M1 and N1 Category vehicles)**

[See Clause No. 6.1, Table-5 of AIS-017 (Part 6): 2019]

REPORT NO.: -----

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|---|---|---|---|---------|
| 1 | HLLD (AIS-008) | Check for fitment of device as approved in TA | | | |
| 2 | Lighting & Light signaling devices AIS-008 | Marking as per AIS-037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | | | |
| 2.1 | | Main beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.2 | | Dipped beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.3 | | Front Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.4 | | Front direction indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.5 | | Daytime Running lamp (If provided) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.6 | | Cornering lamp (If provided) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.7 | | Front fog lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|---|---|---|---------|
| 2.8 | Lighting & Light signaling devices AIS 008 | Front Retro Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.9 | | Stop lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.10 | | Rear Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.11 | | Reversing lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.12 | | Rear Direction Indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.13 | | Rear fog lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.14 | | Rear retro reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.15 | | High mounted stop lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.16 | Lighting & Light signaling devices AIS-008 | Rear Registration plate lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.17 | | Front End outline marker lamps (If fitted) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.18 | | Rear End outline marker lamps (If fitted) | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|--|---|---|---------|
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.19 | | Side marker lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.20 | | Side Direction Indicator Lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.21 | | Side Reflex Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.0 | Horn (IS 1884) | | | | |
| 3.1 | | High Tone horn | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.2 | | Low Tone horn | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 4.1 | Rear view mirror (AIS-001) | Interior mirror [Class I] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 4.2 | | Main mirror (Small) [Class III] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.0 | Windscreen wiping system [IS: 15802, IS: 15804] | | | | |
| 5.1 | | Wiper blade length (Driver side) | | | |
| 5.2 | | Wiper blade length (Co-Driver side) | | | |
| 5.3 | | Wiper arm length (Driver side) | | | |
| 5.4 | | Wiper arm length (Co-Driver side) | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|----------------|--|--|--|--|----------------|
| 5.5 | | Wiping Frequency Check | | | |
| 6.0 | Safety Glass [IS 2553(Part 2)] | | | | |
| 6.1 | | Front Windshield safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 6.2 | | Side windows safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 6.3 | | Rear safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 7.0 | Passenger hand hold (AIS-046): Whether fitted | | | | |
| 8.0 | Spray suppression device (AIS-013) | Marking on the spray suppression device | | | |
| 9.0 | CNG / LPG vehicles (AIS-024, AIS-025, AIS-026, AIS-028) | | | | |
| 9.1 | | Gas cylinder | | | |
| | | BIS marking | | | |
| 9.2 | | CNG Pressure Regulator | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 9.3 | | LPG Pressure regulator / vaporizer | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 10 | Tyres IS 15633/ IS 15636 | BIS marking or marking as per AIS-037, as applicable | | | |
| | | Front Tyres | | | |
| | | Rear Tyres | | | |
| | | Spare Tyres | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|----------------|-------------------------------|--------------------------------------|--|--|----------------|
| 11 | Seat belt IS 15140 | Marking as per AIS-037 (M1 category) | | | |
| | | Fitment check | | | |
| 12 | Traction Batteries AIS 048 | Marking as per AIS-037 | | | |

**Appendix-B-4 : : RESULTS OF THE STATIC VERIFICATION OF THE VEHICLE
UNDER WVSCOP APPROVAL (for M2, M3, N2 and N3 Category vehicles)**

[See Clause No. 6.1, Table-5 of AIS 017 (Part-6): 2019]

REPORT NO.: -----

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|---|---|---|---------|
| 1 | HLLD (AIS-008) | Check for fitment of device as approved in TA | | | |
| 2 | Lighting & Light signaling devices AIS 008 | Marking as per AIS 037 for all Mandatory lighting & Signaling devices (Excluding Bulbs) | | | |
| 2.1 | | Main beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.2 | | Dipped beam head lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.3 | | Front Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.4 | | Front direction indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.5 | | Daytime Running lamp (If provided) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.6 | | Cornering lamp (If provided) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.7 | | Front fog lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|---------------------------------------|---|---|---------|
| 2.8 | Lighting & Light signaling devices AIS 008 | Front Retro Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.9 | | Stop lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.10 | | Rear Position / Parking lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.11 | | Reversing lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.12 | | Rear Direction Indicator lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.13 | | Rear fog lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.14 | | Rear retro reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.15 | | High mounted stop lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.16 | Lighting & Light signaling devices AIS 008 | Rear Registration plate lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.17 | | Front End outline marker lamps | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.18 | | Rear End outline marker lamps | | | |
| | | TAC No./ E-marking / BIS License No. | | | |

| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|-----------------------------------|---|---|---|---------|
| 2.19 | | Side marker lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.20 | | Side Direction Indicator Lamp | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 2.21 | | Side Reflex Reflector | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.0 | Reflective Tape as per AIS-090 | Front Reflective Tape (White) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.1 | | Rear Reflective Tape (Red) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.2 | | Side Reflective Tape (Amber) | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 3.3 | Rear marking plate as per AIS-089 | Fitment : Yes/No/Not Applicable | | | |
| 4.0 | Horn (IS 1884) | | | | |
| 4.1 | | High Tone horn | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 4.2 | | Low Tone horn | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.0 | Rear view mirror (AIS-001) | Interior mirror [Class I] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.1 | | Main mirror (Large) [Class II] | | | |


| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|---|--|---|---|---------|
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.2 | | Main mirror (Small) [Class III] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.3 | | Wide angle mirror [Class IV] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.4 | | Close proximity mirror [Class V] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 5.5 | | Front mirror [Class VI] | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| | | | | | |
| | | | | | |
| 6.0 | Mounting location of the Rear view mirrors as per type approval (AIS-002) | | | | |
| 7.0 | Windscreen wiping system [IS: 15802, IS: 15804] | | | | |
| 7.1 | | Wiper blade length (Driver side) | | | |
| 7.2 | | Wiper blade length (Co-Driver side) | | | |
| 7.3 | | Wiper arm length (Driver side) | | | |
| 7.4 | | Wiper arm length (Co-Driver side) | | | |
| 7.5 | | Wiping Frequency Check | | | |
| 8.0 | Safety Glass [IS 2553 (Part 2)] | | | | |
| 8.1 | | Front Windshield safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |



| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|---------|--|--|---|---|---------|
| 8.2 | | Side windows safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 8.3 | | Rear safety glass | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 9.0 | Passenger hand hold (AIS-046): Whether fitted | | | | |
| 10.0 | Spray suppression device (AIS-013) | Marking on the spray suppression device | | | |
| 11.0 | CNG / LPG vehicles (AIS-024 , AIS-025 , AIS-026, AIS-028) | | | | |
| 11.1 | | Gas cylinder | | | |
| | | BIS marking | | | |
| 11.2 | | CNG Pressure Regulator | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 11.3 | | LPG Pressure regulator / vaporizer | | | |
| | | TAC No./ E-marking / BIS License No. | | | |
| 12 | Tyres IS 15636 | BIS marking or marking as per AIS-037, as applicable | | | |
| | | Front Tyres | | | |
| | | Rear Tyres | | | |
| | | Spare Tyres | | | |
| | | Other Tyres | | | |
| 13 | RUPD (IS 14812) | Mounting as per approved layout | | | |
| 14 | SUPD (IS 14682) | Mounting as per approved layout | | | |
| 15 | Seat belt IS 15140 | Marking as per AIS-037 (M1 category) | | | |



| Sr. No. | Ref. Standard | Parameter | Observations on the vehicle selected for WVSCOP | Whether conforms to AIS-007 details (Y/N) | Remarks |
|----------------|-------------------------------|---------------------------------|--|--|----------------|
| | | Fitment check | | | |
| 16 | Traction Batteries AIS-048 | Marking as per AIS-037 | | | |
| 17 | FUPD AIS-069 | Mounting as per approved layout | | | |

Annexure C : FORMAT FOR TEST REPORT OF WVSCOP VEHICLE TESTS


Appendix C-1 : WVSCOP Test Report for Vehicle Performance tests (for L category vehicles)

| | | | | | | | | |
|----------------------------------|---|---|--------------------|-----------------------|--------|--------------------------|---|--|
| Report No. : | | | | | | | | |
| Fuel : | | Gasoline / Diesel / CNG / LPG / Electric | | | | | | |
| Details of vehicle WVSCOP family | | (Details as per Table 1 shall be provided for the particular WVSCoP family) | | | | | | |
| Test Site : | | | | | | | | |
| CMV Rule No. | PARAMETER | TEST RESULTS | | | | | | |
| 96 | Brake Test (IS:11852) - Type P test - Engine Disconnected (For L7 category vehicles) | | | | | | Service Brake- Make : M/s. Type : Front Brake -Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm – x x Effective Diameter of Drum/Disc - mm Effective area - cm² Wheel Cylinder diameter - mm Rear Brake-Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm – x x Effective Diameter of Drum/Disc - mm Effective area - cm² Wheel Cylinder diameter - mm Parking Make - M/s. Type - Spring brake Effective area - cm² Dimension, mm - x x Size - mm Booster (Power Assistance) Make - M/s. Size - mm Magnification Ratio - Engine Make - M/s. Model - Type - Max. Power - kW@ rpm Gear Box - Make model speed & type Drive Axle Ratio – Wheel Base - mm Tyres - All are Brake Circuit Drawing No. Max. Speed of Vehicle - km/h Test conducted for WVCOP compliance | |
| | A.Dynamic Test  | Initial Speed | Control force (kg) | Stopping distance (m) | | MFDD (m/s ²) | | |
| | | | | Observed | Limits | Observed | Limits | |
| | Service Brake (Clause 3.2.2.1) | Laden | | | | | | |
| | | Unladen | | | | | | |
| Secondary Brakes (Clause 4.1.2) | Laden | | | | | | | |



| Report No. : | | | | | | | | | | |
|--------------|--|--|-------------------------------|---|---|-----------|---|--------|--|--|
| CMV Rule No. | PARAMETER | | TEST RESULTS | | | | | | | |
| 96 | Brake Test (IS:14664) - Type P test (For L1, L2 & L5 category vehicles) | | | | | | Service Brake- Make : M/s. Type : | | | |
| | A.Dynamic Test  | | Initial Speed | Control force (kg) | Stopping distance (m) | | MFDD (m/s ²) | | Front Brake - Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm – x x Effective Diameter of Drum/Disc - mm Effective area - cm² Wheel Cylinder diameter - mm Rear Brake- Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm – x x Effective Diameter of Drum/Disc - mm Effective area - cm² Wheel Cylinder diameter - mm | |
| | | | | | Observed | Limits | Observed | Limits | | |
| | Front Brake | Laden | | | | | | | Engine Make - M/s. Model - Type - Max. Power - kW@ rpm Gear Box - Make model speed & type Primary Transmission Ratio – Secondary Transmission Ratio – Wheel Base - mm Tyres - All are Brake Circuit Drawing No. Max. Speed of Vehicle - km/h Test conducted for WVCOP compliance | |
| | | Unladen | | | | | | | | |
| | Rear Brakes | Laden | | | | | | | | |
| | | Unladen | | | | | | | | |
| | 98(3) | Steering Effort Test (IS:11948) | | |  | | Max. Limit(kg) | | Tyre - All are Steering Gear Box Make - M/s. Type - Ratio - Steering Wheel outer dia. - mm Wheelbase - mm | |
| | | Steering Effort, kg | LH turn | with Power Assistance / Mechanical Steering | | | 15 | | Test conducted for WVCOP compliance as per AIS 017 Part 6:2019 (Table 5.) | |
| | | | RH turn | | | | 15 | | | |
| LH turn | | | with Power Assistance Failure | | | 30 | | | | |
| RH turn | | | | | | 30 | | | | |




| CMV Rule No. | PARAMETER | TEST RESULTS | | | |
|--------------|---|---|-----------------------------------|----------------------|---|
| 120 | Noise level measurement Pass-by Noise Level (IS : 3028)  | | | Limit as per CMVR | <u>Tyre -All are</u> Drive Axle Ratio – <u>Gear Box</u> -Make model speed & type Tested Gear Ratio 2nd Gear Ratio - 3rd Gear Ratio – 4th Gear Ratio – <u>Engine</u> Make -M/s. Model - Type - Displacement - cm3 Max. Power - kW @ rpm <u>Intake System</u> Drawing No. - <u>Air Filter Assembly</u> Make -M/s. Type- ID / Part No. - <u>Exhaust System Details</u> Drawing No. - Catalytic converter provided-Yes / No <u>Silencer / Pre-Silencer / Post-Silencer</u> Make -M/s. Type - ID / Part No. - Wheel base- mm Test conducted for WVCOP compliance as per AIS 017 Part 6 (2019) (Table 5) |
| | In XXXXXXXXX Gear | Engine Speed rpm | XX dB(A) @ XX.X km/h | XX dB(A) | |
| 119 | Horn installation test [(dB(A) level test as per clause 6 of IS 15796] | | | | |
| 124 | Verification of protection against electric shock (clause no. 3.1 of AIS-038) (only for Electric vehicles) | | | | Test agencies to suggest details to be covered |
| 124 | Washing Test (Clause no. 3.5.1 of AIS-038) (for electric vehicles only) | | | | Test agencies to suggest details to be covered |
| --- | Weight measurement (IS : 11825) |  | | | |
| | Unladen | Specified | Measured | | |
| | FAW, kg | | | | |
| | RAW, kg | | | | |
| | Total Unladen Weight, kg | | | | |
| | Laden | Specified | Measured | | |
| | FAW, kg | | | | |
| | RAW, kg | | | | |
| | Gross Vehicle Weight, kg | | | | |
| | Initiated by | Verified by | | Authorized by | |
| | | | | | |
| Date | | | | | |

**Appendix C-2 : WVSCOP Test Report for Vehicle Performance tests
(for E-rickshaws & E-carts)**

| | | | | |
|----------------------------------|---|---|--|----------|
| Report No. : | | | | |
| Fuel : | Electric | | | |
| Details of vehicle WVSCOP family | (Details as per Table 1 shall be provided for the particular WVSCoP family) | | | |
| Test Site : | | | | |
| CMV Rule No. | PARAMETER | TEST RESULTS | | |
| 124 | Verification of protection against electric shock (clause no. 3.1 of AIS-038) | Test agencies to suggest details to be covered | | |
| 124 | Washing Test (Clause no. 3.5.1 of AIS-038) | Test agencies to suggest details to be covered | | |
| 124 | Measurement of Net power & maximum speed (AIS-041) | Motor power = ...kW Max. speed = ...km/h | Test agencies to suggest details to be covered | |
| --- | Weight measurement (IS : 11825) |  | | |
| | Unladen | Specified | | Measured |
| | FAW, kg | | | |
| | RAW, kg | | | |
| | Total Unladen Weight, kg | | | |
| | Laden | Specified | | Measured |
| | FAW, kg | | | |
| | RAW, kg | | | |
| | Gross Vehicle Weight, kg | | | |
| | Initiated by | Verified by | Authorized by | |
| Date | | | | |



Appendix C-3: WVSCOP Test Report for Vehicle Performance Tests (for M1 and N1 category vehicles)



| | | | | | | | |
|----------------------------------|--|---|---|-----------------------|----------------|---|--|
| Report No. : | | | | | | | |
| Fuel : | | Gasoline / Diesel / CNG / LPG/Electric | | | | | |
| Details of vehicle family | | (Details as per Table 1 shall be provided for the particular WVSCoP family) | | | | | |
| Test Site : | | | | | | | |
| CMV Rule No. | PARAMETER | TEST RESULTS | | | | | |
| 96 | Brake Test (IS:11852)- Type P test - Engine Disconnected | | | | | Service Brake- Make : M/s. Type : Front Brake -Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm – x x Effective Diameter of Drum/Disc - mm Effective area - cm² Wheel Cylinder diameter - mm Rear Brake-Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm – x x Effective Diameter of Drum/Disc - mm Effective area - cm² Wheel Cylinder diameter - mm Parking Make - M/s. Type - Spring brake Effective area - cm² Dimension, mm - x x Size - mm Booster (Power Assistance) Make - M/s. Size - mm Magnification Ratio - Engine Make - M/s. Model - Type - Max. Power - kW@ rpm Gear Box - Make model speed & type Drive Axle Ratio – Wheel Base - mm Tyres - All are Brake Circuit Drawing No. Max. Speed of Vehicle - km/h Test conducted for WVCOP compliance | |
| | A.Dynamic Test  | Initial Speed | Control force (kg) | Stopping distance (m) | | MFDD (m/s ²) | |
| | | | | Observed | Limits | Observed | Limits |
| | Service Brake (Clause 3.2.2.1) | Laden | | | | | |
| | | Unladen | | | | | |
| Second-ary Brakes (Clause 4.1.2) | Laden | | | | | | |
| 98(3) | Steering Effort Test (IS:11948) | |  | | Max. Limit(kg) | | Tyre - All are Steering Gear Box Make - M/s. Type - Ratio - Steering Wheel outer dia. - mm Wheelbase - mm |
| | Steering Effort, kg | LH turn | | | 15 | | |

| | | | | | | |
|--------------|--|---------|---|-----------------------------|-------------------|--|
| | | RH turn | with Power Assistance / Mechanical Steering | | 15 | Test conducted for WVCOP compliance as per AIS 017 Part 6: 2019 (Table 5) |
| | | LH turn | with Power Assistance Failure | | 30 | |
| | | RH turn | | | 30 | |
| Report No. : | | | | | | |
| CMV Rule No. | PARAMETER | | TEST RESULTS | | | |
| 120 | Noise level measurement Pass-by Noise Level (IS : 3028)  | | | | Limit as per CMVR | <u>Tyre -All are</u> Drive Axle Ratio – <u>Gear Box</u> -Make model speed & type Tested Gear Ratio 2nd Gear Ratio - 3rd Gear Ratio – <u>Engine</u> Make -M/s. Model - Type - Displacement - cm3 Max. Power - kW @ rpm <u>Intake System</u> Drawing No. - <u>Air Filter Assembly</u> Make -M/s. Type- ID / Part No. - <u>Exhaust System Details</u> Drawing No. - Catalytic converter provided-Yes / No <u>Silencer / Pre-Silencer / Post-Silencer</u> Make -M/s. Type - ID / Part No. - Wheel base- mm Test conducted for WVCOP compliance as per AIS 017 Part 6 :2019 (Table 5) |
| | In XXXXXXXX Gear | | Engine Speed rpm | XX dB(A) @ XX.X km/h | XX dB(A) | |
| 119 | Horn installation test (dB(A) level test as per clause 6 of IS 15796) | | | | | |
| 124 | Verification of protection against electric shock (clause no. 3.1 of AIS-038) (only for Electric vehicles) | | | | | Test agencies to suggest details to be covered |
| 124 | Washing Test (Clause no. 3.5.1 of AIS-038) (for electric vehicles only) | | | | | Test agencies to suggest details to be covered |
| --- | Weight measurement (IS : 11825) | |   | | | |
| | Unladen | | Specified | Measured | | |
| | FAW, kg | | | | | |
| | RAW, kg | | | | | |
| | Total Unladen Weight, kg | | | | | |
| | Laden | | Specified | Measured | | |
| FAW, kg | | | | | | |

| | | | | |
|------|--|--|--|---------------|
| | RAW, kg | | | |
| | Gross Vehicle Weight, kg | | | |
| 117 | SLF , as applicable | Testing to verify lock speed as per clause 5.7.3.4.1 of AIS 018:2001 | | |
| | ECU make and country of origin / plant address | | | |
| | ECU Calibration ID: | | | |
| | –Vehicle speeds for which SLD/SLF approved (km/h): | | | |
| | Earlier test report number(s) or copy of test report if issued by other test agency. | | | |
| | Initiated by | Verified by | | Authorized by |
| Date | | | | |

Appendix C-4 : WVSCOP Test Report for Vehicle Performance Tests (for M2, M3, N2 and N3 category vehicles)

| | | | | | | | |
|---------------------------------|--|---|---|-----------------------|----------------|--|---|
| Report No. : | | | | | | | |
| Fuel : | | Gasoline / Diesel / CNG / LPG/Electric | | | | | |
| Details of vehicle family | | (Details as per Table 1 shall be provided for the particular WVSCoP family) | | | | | |
| Test Site : | | | | | | | |
| CMV Rule No. | PARAMETER | TEST RESULTS | | | | | |
| 96 | Brake Test (IS:11852) - Type P test - Engine Disconnected | | | | | Service Brake- Make : M/s. Type : Front Brake -Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm - x x Effective Diameter of Drum/Disc - mm Effective area - cm ² Wheel Cylinder diameter - mm Rear Brake-Drum / Disc Make of Liners / Pads - M/s. Material - Asbestos / Non Asbestos Dimension, mm - x x Effective Diameter of Drum/Disc - mm Effective area - cm ² Wheel Cylinder diameter - mm Parking Make - M/s. Type - Spring brake Effective area - cm ² Dimension, mm - x x Size - mm Engine Make - M/s. Model - Type - Max. Power - kW@ rpm Gear Box - Make model speed & type Drive Axle Ratio – Wheel Base - mm Tyres - All are Brake Circuit Drawing No. - Max. Speed of Vehicle - km/h Test conducted for WVCOP compliance | |
| | A.Dynamic Test  | Initial Speed | Control force (kg) | Stopping distance (m) | | MFDD (m/s ²) | |
| | | | | Observed | Limits | Observed | Limits |
| | Service Brake (Clause 3.2.2.1) | Laden | | | | | |
| | | Unladen | | | | | |
| Secondary Brakes (Clause 4.1.2) | Laden | | | | | | |
| 98(3) | Steering Effort Test (IS:11948) | |  | | Max. Limit(kg) | | Tyre - All are Steering Gear Box Make - M/s. Type - Ratio - Steering Wheel outer dia. - mm Wheelbase - mm Test conducted for WVCOP compliance as per AIS 017 Part 6 : 2019 (Table 5) |
| | Steering Effort, kg | LH turn | with Power Assistance / Mechanical Steering | | | 15 | |
| | | RH turn | | | | 15 | |
| | | LH turn | | | | 30 | |

| | | RH turn | with Power Assistance Failure | | 30 | |
|--------------|--|---|-----------------------------------|----------------------|--|--|
| Report No. : | | | | | | |
| CMV Rule No. | PARAMETER | TEST RESULTS | | | | |
| 120 | Noise level measurement Pass-by Noise Level (IS : 3028)  | | | Limit as per CMVR | Tyre -All are Drive Axle Ratio – <u>Gear Box</u> -Make model speed & type Tested Gear Ratio 3rd Gear Ratio – 4th Gear Ratio – 5th Gear Ratio – <u>Engine</u> Make -M/s. Model - Type - Displacement - cm ³ Max. Power - kW @ rpm <u>Intake System</u> Drawing No. - <u>Air Filter Assembly</u> Make -M/s. Type- ID / Part No. - <u>Exhaust System Details</u> Drawing No. - Catalytic converter provided-Yes / No <u>Silencer / Pre-Silencer / Post-Silencer</u> Make -M/s. Type - ID / Part No. - Wheel base- mm Test conducted for WVCOP compliance as per AIS 017 Part 6 : 2019 (Table 5) | |
| | In XXXXXXXXX Gear | Engine Speed rpm | XX dB(A) @ XX.X km/h | XX dB(A) | | |
| 119 | Horn installation test (dB(A) level test as per clause 6 of IS 15796:2008) | | | | | |
| 124 | Verification of protection against electric shock (clause no. 3.1 of AIS-038) (only for Electric vehicles) | | | | Test agencies to suggest details to be covered | |
| 124 | Washing Test (Clause no. 3.5.1 of AIS-038) (for electric vehicles only) | | | | Test agencies to suggest details to be covered | |
| --- | Weight measurement (IS : 11825)  | | | | | |
| | Unladen | Specified | Measured | | | |
| | FAW, kg | | | | | |
| | RAW, kg | | | | | |
| | Total Unladen Weight, kg | | | | | |
| | Laden | Specified | Measured | | | |
| | FAW, kg | | | | | |
| | RAW, kg | | | | | |
| | Gross Vehicle Weight, kg | | | | | |
| 117 | SL, as applicable | Testing to verify lock speed as per clause 5.7.3.4.1 of AIS 018:2001 | | | | |
| | ECU make and country of origin / plant address | | | | | |

| | | | |
|------|--|-------------|---------------|
| | 1. | | |
| | ECU Calibration ID: | | |
| | Vehicle speeds for which SLD/SLF approved (km/h): | | |
| | Earlier test report number(s) or copy of test report if issued by other test agency. | | |
| | Initiated by | Verified by | Authorized by |
| Date | | | |

Annexure D

FORMAT OF WVSCOP CERTIFICATE

XXXXXXXXXXXXX (Certificate No.)

Date: XXXXXXXX

**CERTIFICATE
FOR
WHOLE VEHICLE SAFETY CONFORMITY OF PRODUCTION (WVSCOP)**

1. Based on the verification of documents, inspections and tests conducted on the vehicle model(s) “XXXXXXXXXX”, manufactured by XXXXXXXXXXXX <<Organization name>>and randomly selected from XXXXXXXXXXXX <<plant(s)/premise(s)>>, it is certified that the WVSCoP family model(s) comply with the following provisions of the Central Motor Vehicles Rules, 1989.

| MoRTH Noti. No. | Date | CMV Rule | Effective From | Standard |
|--------------------|---------|----------|----------------|--------------------------|
| XXXXXXX | XXXXXXX | XXXXXXX | XXXXXXX | AIS-017 (Part 6):2019 |

2. This certificate covers the following WVSCOP family, its vehicle models and their variants, listed in Table below, declared by the manufacturer and/or importer and planned to be produced / imported as per manufacturer’s and/or importer’s declaration during the stipulated period.

| WVSCoP Family: | | CMVR Certificate No. and Date | Plant(s) / premises produced or imported | WVSC OP Period |
|-------------------|--|-------------------------------------|---|----------------------|
| | | | | |
| Sr. No. | Name of vehicle model and its variant(s) | | | |
| 1 | | | | |
| 2 | | | | |

Note: Please refer overleaf for “Disclaimer Clause”

- 3 Next WVSCOP to be established on or before:

AUTHORISED SIGNATORY

AUTHORISED SIGNATORY

Appendix D-1 WVSCoP Requirements verified on the vehicle under WVSCOP approval

WVSCOP Certificate No.....

Following requirements are verified and found to be complying.

| Sl. No | Parameter | Reference standard | L1 & L2 (2W) | L5 (3W) | L7 (Quadricycle) | E-rickshws & E-carts | M1 (Cars & UV's) | N1, N2, N3, M2 & M3 (Trucks & Buses) |
|--------|--------------------------------------|---|--------------|---------|------------------|----------------------|------------------|--------------------------------------|
| 1 | Lighting & Light signaling devices | AIS 008 / AIS 009 as applicable | | | | | | |
| 2 | Reflective tape | AIS 090 | NA | NA | NA | NA | NA | |
| 3 | Rear Marking plate (For Trucks Only) | AIS 089 | NA | NA | NA | NA | NA | |
| 4 | Horn | IS 15796 IS 1884 | | | | NA | | |
| 5 | Rear View Mirror | AIS 001 AIS 002 (mounting arrangements) | NA | NA | NA | NA | NA | |
| 6 | Windscreen wiping | IS 15802/ IS 15804/ AIS 045 | NA | | | NA | | |
| 7 | Safety glass | IS 2553 (Part 2) | NA | | | NA | | |
| 8 | Passenger handholds / Pillion hold | AIS 046 / IS 14495 | | | | NA | | |
| 9 | Spray Suppression Device | AIS 013 / AIS 103 | NA | NA | NA | NA | NA | |
| 10 | Brake | IS 11852 / IS 14664 | | | | NA | | |
| 11 | Pass by Noise | IS 3028 | | | | NA | | |
| 12 | Steering | IS 11948 | NA | | | NA | | |
| 13 | Tyres | IS 15627 / IS 15633 / IS 15636, as applicable | | | | NA | | |

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| Sl. No | Parameter | Reference standard | L1 & L2 (2W) | L5 (3W) | L7 (Quadricycle) | E-rickshws & E-carts | M1 (Cars & UV's) | N1, N2, N3, M2 & M3 (Trucks & Buses) |
|--------|--|---|--------------|---------|------------------|----------------------|------------------|--------------------------------------|
| 14 | RUPD | IS 14812 | NA | NA | NA | NA | NA | |
| 15 | SUPD | IS 14682 | NA | NA | NA | NA | NA | |
| 16 | Seat belt | IS 15140 | NA | NA | | NA | | |
| 17 | CNG / LPG Vehicles | AIS 024 / AIS-025 / AIS-026 / AIS-027 / AIS 028 | | | | NA | | |
| 18 | Traction Batteries | AIS 048* | | | | | | |
| 19 | SLF | AIS-018 | NA | NA | NA | NA | | |
| 20 | FUPD | AIS-069 | NA | NA | NA | NA | NA | |
| 21 | Protection against electric shock | AIS-038* | | | | NA | | |
| 22 | Washing Test | AIS-038* | | | | NA | | |
| 24 | Measurement of Net power & maximum speed | AIS-041* | NA | NA | NA | | NA | NA |

* - Only for electric vehicles