

BUREAU OF INDIAN STANDARDS

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**DRAFT AMENDMENT NO. 1
TO
IS 18606: 2024
ELECTRIC POWER TRAIN OF M AND N CATEGORY VEHICLES — SPECIFIC
REQUIREMENTS**

ICS: 43.120

Electric And Hybrid Vehicles Sectional Committee, TED
27

Last Date for Comments: **13.01.2025**

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(Page 2, Clause 3.11) — Substitute the following for the existing:

3.11 ‘C Rate’ of ‘nC’ — The constant current of the tested-device, which takes 1/n hours to charge or discharge the tested-device between zero percent of the state of charge and 100 percent of the state of charge.

(Page 3, Clause 3.34) — Substitute the following for the existing:

3.34 High Voltage Bus — The electrical circuit, including the coupling system for charging the REESS that operates on high voltage. In case of electrical circuits, that are galvanically connected to each other and fulfilling the voltage conditions specified in **3.63**, only the components or parts of the electric circuit that operate on high voltage are classified as a high voltage bus.

[Page 19, Annex C, Table 1, Sl. No. (i), Column (4)] — Substitute ‘*(see Fig. 3 for Full Dimension)*’ for ‘*(see Fig. 3 or Full Dimension)*’.

(Page 24, Clause Fig. 7) — Substitute the following for the existing:

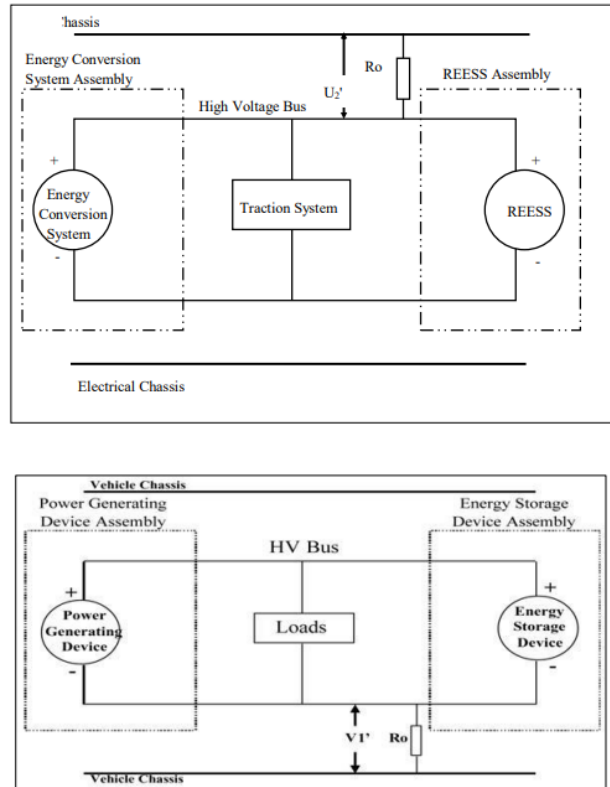


FIG. 7 MEASUREMENT OF U_2'

(Page 26, Clause **E-2.1.2.3.4**)— Substitute ' $R_i = R_o \times U_b \times (1/U_2' - 1/U_2)$ ' for ' $R_i = R_o \times V_b \times (1/U_2' - 1/U_2)$ '

(Page 26, Clause **G-2.1**, key, SI No. 7) — Substitute the following for the existing:

- 7 Spray nozzle - brass with 121 holes, Φ 0.5:
1 hole in centre, 2 inner circle of 12 holes at 30° pitch, and 4 outer circle of 24 holes at 15° pitch.

(Page 35, Clause **H-1.5.1.3**) — Substitute the following for the existing:

H-1.5.1.3 Soak

Within 15 min of completing the battery discharge operation specified in **H-1.5.1.2**, the vehicle is parked in the soak area. The vehicle is parked for a minimum of 12 h and a maximum of 36 h,

between the end of the traction battery discharge and the start of the hydrogen emission test during a normal charge. For this period, the vehicle shall be soaked at $293\text{ K} \pm 2\text{ K}$.

(Page 37, Clause H-1.6, line 11) — Substitute ‘MH₂ = Hydrogen mass, in gram’ for ‘MH₂ = Hydrogen mass, in’

(Page 37, Clause H-1.6, line 12) — Substitute ‘K = 2.42;’ for ‘g; K = 2.42;’