



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

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Technical Specification for Electric Vehicle (Four Wheeler)

1. Fuel Type: 100% Battery powered Electric Vehicle
2. Charging capability of vehicles: Onboard AC charging (3-22 kW), Off-board Bi-directional charging capability with CHAdeMO connector type (7-100kW)
3. Battery capacity: More than 30 kWh
4. Vehicle should be capable of bi-directional charging, at least V2G services.
5. Transmission: Manual or Automatic
6. Seating Capacity: 4 persons and above
7. The vehicle can be new or used car with registration date of not earlier than three years.
8. The vehicle should have on board charger, preferably with bi-directional charger
9. Warranty: More than 8 years or 1.5 lakh km for new electric vehicle.