



No. 12/2/2018-EV (Comp No. 241852)
Government of India
Ministry of Power

2nd Floor, 'F' Wing, Nirman Bhawan,
New Delhi, the 10th January, 2025

To

1. The Secretaries of all Ministries/Departments of Government of India
2. The Chief Secretaries of the States/UTs

Subject: Amendment in Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024 – reg.

Sir/Madam,

Ministry of Power has issued Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024 on 17th September, 2024. To provide an alternate facility for powering the Electric Vehicles, separate guidelines on Installation and Operation of Battery Swapping and Charging Stations have been issued. To bring further clarity, Ministry of Power hereby issues the following amendment to the Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024:

Sub-clause (g) of Clause 4 shall be replaced as below:

- g) **Electric Vehicle Charging Infrastructure (EVCI)** is a network of Electric Vehicle charging stations catering to diverse EV charging requirement and includes components such as EVSE, connection to DISCOM's supply system including electricity meter, Power Management System for energy optimization, energy distribution, grid stability and renewables integration, Communication network to assist data exchange in real time and remotely manage EV charging stations, cables, connectors, RFID tags, software applications, circuit breakers, solar panels (if connected), civil work, smart meter, transformer, etc.

Sub-clause (h) of Clause 4 shall be replaced as below:

- h) **Electric Vehicle Charging Station:** An Electric Vehicle Charging Station is a facility for charging Electric Vehicles or swappable EV batteries, with or without supporting upstream infrastructure or amenities.

Following clause shall be inserted after sub-clause (3) of Clause 6:

- (4) State Governments may ensure necessary permissions to Electric Vehicle Charging Stations to operate round the clock.

Following sub-clause shall be inserted after sub-clause (b) of Clause 7:

- 7(c) Government and Public entities should ensure that terms and conditions of bidding carried out for allotment of public land for setting up of EV charging stations are technology agnostic and allow wider participation.

Sub-Clause 2 of Clause 20 shall be replaced as below:

- (2) **State Nodal Agencies:** Each state will designate a State Nodal Agency (SNA) responsible for coordinating with DISCOMs and State Electricity Regulatory Commissions (SERC) to facilitate electricity connections for public, community, workplace, and e-bus depot charging stations. State governments have the flexibility to choose their Nodal Agency. The state DISCOMs will be the default option. However, states can also designate State Public Sector Undertakings (SPSU), Urban local bodies (ULBs) or Urban Development Authorities. A state level steering committee chaired by Secretary in-charge of Energy and comprising secretaries of Transport, Municipal Administration and Urban Development, such other members as required shall be constituted to plan and monitor the implementation of EV Charging Infrastructure at the state level.

Yours faithfully,


10.01.2025

(Saket Kumar Sinha)
Under Secretary to the Government of India



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2nd Floor, 'F' Wing, Nirman Bhawan,
New Delhi, the 10th January, 2025

To,

1. The Secretaries of all Ministries/Departments of Government of India
2. The Chief Secretaries of the States/UT's

Subject: Guidelines for Installation and Operation of Battery Swapping and Charging Stations – reg.

Sir/Madam,

Ministry of Power has issued the Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024. These guidelines are aimed at meeting the requirements of Electric vehicles (EV) with integrated batteries. The alternative method of powering electric vehicles is through swappable batteries which can be charged separately at dedicated battery charging stations. Battery swapping is a method of quickly replacing an EV's fully or partially discharged battery with a charged one. The following guidelines govern such battery charging systems:

1. **Short Title** These guidelines shall be called "Guidelines for Installation and Operation of Battery Swapping and Battery Charging Stations".
2. **Applicability.** These guidelines shall be applicable to swappable battery providers, and owners and operators of battery charging stations and battery swapping stations located anywhere.
3. **Objectives:** Main objectives of these guidelines are as follows:
 - i) To promote swapping of batteries as an alternate method of powering EVs.
 - ii) To promote battery as a service.
 - iii) To develop a battery swapping ecosystem.
4. **Definitions:**
 1. **Battery as a Service (BaaS)** means a business model where manufacturer of battery swapping equipment or a third-party provider owns and manages swappable

electric vehicle (EV) batteries, leasing or renting them to EV owners or fleet operators.

2. **Battery-swapping** means a method of quickly replacing an EV's fully or partially discharged swappable battery with a charged battery.
3. **Battery swapping ecosystem** means a network of infrastructure and services that enables quick and efficient exchange of swappable EV batteries.
4. **Battery Charging Station (BCS)** means a facility where fully or partially discharged swappable EV batteries are electrically recharged.

Note: Captive BCS are charging stations that are exclusively accessible to a specific group of users such as fleet operators, EV owners associated with a particular organization, community or building, and are not open to the public.

5. **Battery Swapping Station (BSS)** means a facility where fully or partially discharged swappable batteries are electrically charged and quickly replaced with recharged batteries.

Note. Captive BSS are swapping stations that are exclusively accessible to a specific group of users such as fleet operators, EV owners associated with a particular organization, community or building, and are not open to the public.

6. **Battery to grid(B2G)** refers to a system where swappable batteries, typically from electric vehicles (EVs) or Battery Swapping Station(BSS), can not only store energy for use but also supply electricity back to the power grid when needed.
7. **Battery Provider** refers to any entity which provides swappable EV batteries or BaaS to EV owners.
8. **Swappable battery** means a modular battery designed for use in EVs that can be quickly and easily detached and replaced with another battery, to extend the vehicle range and allow for efficient recharge of the depleted battery.

Note: In case of any conflict, definitions in respective Acts, Rules & Regulation and guidelines as amended from time to time shall prevail.

5. Clauses 5, 6 (except sub-clause 1), 7, 9, 11, sub-clause 5 of clause 12, 13 (except sub-clause 2) and 20 of the principal guidelines titled "Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure – 2024", shall also be applicable for Battery Charging Stations, Battery Swapping Stations and Battery Providers.
6. Extant provisions relating to safety shall be applicable to BSSs and BCSs.



7. Owners of BCS or BSS shall be permitted to use an existing electricity connection with or without seeking an increase in the connected load, for charging the swappable batteries.
8. Battery swapping or Battery charging stations may deploy liquid-cooled swappable batteries for larger vehicles such as trucks and buses.

Ans
10.01.2025

(Under Secretary to Govt)

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As per list of addressee