

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
LOK SABHA
UNSTARRED QUESTION NO. 971
ANSWERED ON 13.12.2022

FAME INDIA SCHEME

971. SHRI DAYANIDHI MARAN:

Will the Minister of HEAVY INDUSTRIES भारी उद्योग मंत्री be pleased to state:

- (a) the details and the status of the Government's Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (FAME India) scheme in the country, phase-wise and State-wise;
- (b) the challenges being faced in expanding adoption and development of hybrid and electric vehicles;
- (c) the details of the incentives being provided to manufacturers, if any;
- (d) whether the Government proposes to extend financial assistance to the State Governments and public transport corporations for purchase of electric vehicles and if so, the details thereof;
- (e) whether the manufacturing of Electric Vehicles (EVs) for public transport such as cabs, private buses and rickshaws is being promoted and if so, the details thereof; and
- (f) the steps taken by the Government to promote setting up of charging infrastructure for EVs in various States along with the current number of EV stations in the country, State-wise?

ANSWER

THE MINISTER OF STATE FOR HEAVY INDUSTRIES
(SHRI KRISHAN PAL GURJAR)

(a) to (e): The Ministry of Heavy Industries formulated a Scheme namely Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (FAME India) Scheme in 2015 to promote adoption of electric/ hybrid vehicles (xEVs) in India. The Phase-1 of the scheme was available up to 31st March, 2019 with budget outlay of Rs 895 Cr. This phase of FAME India Scheme had four focus areas i.e. technological development, demand generation, pilot project and charging infrastructure components.

In the 1st phase of the scheme, about 2.8 lakh xEVs were supported with total demand incentives of Rs. 359 Crore [Approx]. In addition, 425 electric and hybrid buses, as sanctioned under first phase of the scheme, are deployed across various cities in the country with Government Incentive of about Rs. 280 Cr. The Ministry of Heavy Industries had also sanctioned about 520 Charging Stations/ Infrastructure for Rs. 43 Crore (approx.) under Phase-I of FAME-India Scheme.

Projects worth about Rs. 158 Crores are sanctioned for the technology development projects like establishment of testing Infrastructure, setting up of 'Centre of Excellence' for Advanced Research in electrified transportation, Battery Engineering etc. to various organizations / institutions like Automotive Research Association of India (ARAI), IIT Madras, IIT Kanpur, Non Ferrous Material Technology Development Centre (NFTDC), Aligarh Muslim University (AMU) etc.

Based on outcome and experience gained during Phase-I of FAME India Scheme and after having consultations with all stakeholders, including Industry and Industry Associations, the Government notified Phase-II of FAME India Scheme for a period of five years commencing from 1st April, 2019 with a total budgetary support of Rs. 10,000 crore. This phase mainly focuses on supporting electrification of public & shared transportation and aims to support through demand incentive 7090 e-Buses, 5 lakh e-3 Wheelers, 55000 e-4 Wheeler Passenger Cars and 10 lakh e-2 Wheelers.

Under this scheme, incentives are provided to buyers of electric vehicles in the form of an upfront reduction in the purchase price of electric vehicles. Under Phase-II of FAME India Scheme, 7,45,713 Electric Vehicles have been supported till 07.12.2022 by way of Demand Incentive amounting to about Rs. 3,200 Cr. Further, MHI has sanctioned 6315 e-buses to 65 cities/STUs/CTUs/ State Govt. entities for intracity and intercity operations across 26 states/UT under the Scheme. The Ministry has also sanctioned 2877 charging stations in 68 cities across 25 States/UTs under FAME India (Faster Adoption and Manufacturing of Hybrid & Electric Vehicles in India) Scheme Phase II. Further, 1576 charging stations across 9 Expressways and 16 Highways are also sanctioned under phase-II of FAME India Scheme.

The challenges faced in the widespread adoption of electric mobility have mainly been the high upfront cost of electric vehicle as compared to corresponding Internal Combustion Engine (ICE) and customer anxiety about range of electric vehicles.

Following steps have been taken by the Government of India to address the challenges faced in adoption of electric mobility in the country:

- i. From 11th June, 2021 the demand incentive under Phase II of FAME India Scheme has been increased to Rs. 15,000/KWh from Rs. 10,000/KWh with an increase in cap from 20% to 40% of the cost of vehicle, thus enabling cost of Electric two wheelers at par with that of ICE two wheeler vehicles. Further, on 25th June, 2021 Phase II of FAME India scheme was extended for a period of 2 years upto 31st March 2024.
- ii. The Government on 12th May 2021 approved the Production Linked Incentive (PLI) Scheme for manufacturing of Advance Chemistry Cell (ACC) in the country in order to bring down prices of battery in the country. The drop in battery prices will result in cost reduction of Electric Vehicles.
- iii. Electric Vehicles are covered under Production Linked Incentive (PLI) scheme for Automobile and Auto Components, which was approved on 15th September 2021 with a budgetary outlay of Rs. 25,938 crore for a period of five years.
- iv. GST on electric vehicles has been reduced from 12% to 5%; GST on chargers/ charging stations for electric vehicles has been reduced from 18% to 5%.
- v. Ministry of Road Transport & Highways (MoRTH) announced that battery-operated vehicles will be given green license plates and be exempted from permit requirements.
- vi. MoRTH issued a notification advising states to waive road tax on EVs, which in turn will help reduce the initial cost of EVs.

(f): Under phase-II of FAME-India Scheme, Rs. 1000 Cr. is allocated for the development of charging infrastructure. The Ministry has sanctioned 2,877 electric vehicle charging stations in 68 cities across 25 states/UTs. Further, 1576 charging stations across 9 Expressways and 16 Highways under phase-II of FAME India Scheme has also been sanctioned. The state-wise details of charging stations as sanctioned under phase-II of FAME India Scheme are attached at **ANNEXURE-I**.

The Ministry of Heavy Industries had sanctioned 520 Charging Stations for developing charging Infrastructure under Phase-I of FAME India Scheme as per **ANNEXURE-II**.

Phase-II of FAME India Scheme:

- Ministry of Heavy Industries has sanctioned 2,877 Electric Vehicle Charging Stations in 68 cities across 25 States/UTs.

| State | No. of EV chargers sanctioned |
|----------------------------------|--------------------------------------|
| Maharashtra | 317 |
| Andhra Pradesh | 266 |
| Tamil Nadu | 281 |
| Gujarat | 278 |
| Uttar Pradesh | 207 |
| Rajasthan | 205 |
| Karnataka | 172 |
| Madhya Pradesh | 235 |
| West Bengal | 141 |
| Telangana | 138 |
| Kerala | 211 |
| Delhi | 72 |
| Chandigarh | 70 |
| Haryana | 50 |
| Meghalaya | 40 |
| Bihar | 37 |
| Sikkim | 29 |
| Jammu & Kashmir | 25 |
| Chhattisgarh | 25 |
| Assam | 20 |
| Odisha | 18 |
| Uttarakhand | 10 |
| Puducherry | 10 |
| Andaman and Nicobar (Port Blair) | 10 |
| Himachal Pradesh | 10 |
| Total | 2877 |

- MHI has sanctioned 1576 EV Charging Stations across **9 Expressways & 16 Highways**.
Details are as specified below:

| Sl. No | Expressways | EV Charging Stations Sanctioned |
|---------------|------------------------|--|
| 1 | Mumbai - Pune | 10 |
| 2 | Ahmadabad - Vadodara | 10 |
| 3 | Delhi Agra Yamuna | 20 |
| 4 | Bengaluru Mysore | 14 |
| 5 | Bangaluru-Chennai | 30 |
| 6 | Surat-Mumbai | 30 |
| 7 | Agra-Lucknow | 40 |
| 8 | Eastern Peripheral (A) | 14 |
| 9 | Hyderabad ORR | 16 |
| Sl. No | Highways | EV Charging Stations Sanctioned |
| 1 | Delhi - Srinagar | 80 |
| 2 | Delhi - Kolkata | 160 |
| 3 | Agra - Nagpur | 80 |

| | | |
|-------------|-------------------------|-----|
| 4 | Meerut to Gangotri Dham | 44 |
| 5 | Mumbai - Delhi | 124 |
| 6 | Mumbai-Panaji | 60 |
| 7 | Mumbai - Nagpur | 70 |
| 8 | Mumbai - Bengaluru | 100 |
| 9 | Kolkata - Bhubaneswar | 44 |
| 10 | Kolkata - Nagpur | 120 |
| 11 | Kolkata - Gangtok | 76 |
| 12 | Chennai-Bhubaneswar | 120 |
| 13 | Chennai - Trivendram | 74 |
| 14 | Chennai-Ballary | 62 |
| 15 | Chennai - Nagpur | 114 |
| 16 | Mangaldai - Wakro | 64 |
| 1576 | | |

ANNEXURE-II

Under Phase-I of FAME India Scheme – Ministry of Heavy Industries has sanctioned 520 EV Charging Stations out of which 479 charging stations have been installed as on 07.12.2022 as follows:

| City | Charging Stations | Highway | Charging Stations |
|------------------|-------------------|----------------------|-------------------|
| Chandigarh | 48 | Delhi -Chandigarh | 24 |
| Delhi | 94 | Mum-Pune | 17 |
| Rajasthan | 49 | Delhi- Jaipur- Agra | 31 |
| Karnataka | 65 | Jaipur-Delhi Highway | 9 |
| Jharkhand | 30 | | |
| Goa | 30 | | |
| Telangana | 57 | | |
| Uttar Pradesh | 16 | | |
| Himachal Pradesh | 9 | | |
| Total | 398 | | 81 |