

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES
DEPARTMENT OF HEAVY INDUSTRY

LOK SABHA
UNSTARRED QUESTION No. 1574
TO BE ANSWERED ON 12.02.2019

Charging Stations for Electric Vehicles

1574. SHRI MALLIKARJUN KHARGE:

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:

- (a) the current status of the objectives sought to be achieved under Phase-I of the FAME Scheme, which was scheduled to be completed by April 2017;
- (b) the objectives sought to be achieved under FAME-II scheme and National Auto Policy;
- (c) whether any charging station for electric vehicles has been set-up in the country and if so, the details thereof;
- (d) whether it is true that currently private companies cannot set-up 'charging stations' in India, as sale of electricity is a licensed activity and if so, the details thereof; and
- (e) the efforts made by the Government to promote setting up of charging stations for electric vehicles in the country?

ANSWER

THE MINISTER OF STATE FOR HEAVY INDUSTRIES & PUBLIC ENTERPRISES
(SHRI BABUL SUPRIYO)

(a) & (b): As part of the NEMMP 2020, Department of Heavy Industry formulated a Scheme namely Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles India (FAME-India) Scheme in March, 2015 to promote electric & hybrid vehicle (xEVs) in the country. At present, the Phase-1 of the scheme is under implementation, which was originally for a period of 2 years till 31st March 2017, but has been extended further till 31st March 2019 or till Notification of FAME-II, whichever is earlier. The Scheme has four focus areas namely Demand Creation, Pilot Project, Technology Development/ R&D and Charging Infrastructure.

Under Demand Creation focus area of the scheme, the purchaser of electric/hybrid vehicles is given an upfront reduction in purchase price by the dealer at the time of purchase of xEVs. Since inception of the scheme & till 31st December 2018, the Government has given financial support (demand incentive) to about 2,61,507 electric/hybrid vehicles. In addition to above, 585 electric buses have also been sanctioned to various cities/ states under this scheme.

The Phase-II of the Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles (FAME-India) Scheme proposes to give a push to electric vehicles (EVs) in public transport and seeks to encourage adoption of EVs by way of market creation and demand aggregation. The draft scheme has envisaged the holistic growth of EV industry, including providing for charging infrastructure, research and development of EV technologies and push towards greater indigenization. The scheme has not been finalized yet.

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A draft National Automotive Policy is holistic in nature and addresses the interests of the Automotive Industry in meeting the objectives of the Auto Mission plan 2016-26.

(c) to (e): Ministry of Power has informed that they have already clarified vide their notification No. 23/08/2018-R&R dated 13th April 2018 that the charging of batteries of Electric Vehicles through charging stations does not require any license under the provisions of Electricity Act, 2003.

To facilitate the establishment of Charging Infrastructure for electric vehicles, M/o Power has informed that Central Electricity Authority (CEA) has drafted amendments regarding Grid Connectivity and Safety of supply for charging stations.

M/o Power has further informed that the following amendments in the Draft Tariff Policy 2018 has been proposed –

- (i) Tariff shall be less than or equal to the average cost of supply determined based on AT&C loss level of 15 % or actual, whichever is lower, and
- (ii) Single part tariff for this purpose in the initial 3 years.

Further, Energy Efficiency Services Limited (EESL) under the Ministry of Power has informed that they are providing electric vehicles to Government entities on lease/outright purchase basis to replace the existing petrol and diesel vehicles taken on lease by them, under National E-Mobility programme. For charging of these electric vehicles, EESL is installing AC and DC chargers complying with Bharat Charging Specifications AC-001 and DC-001 of DHI at their locations. These chargers are for the captive use of the departments, which are leasing electric vehicles from EESL. Till date, EESL has installed 264 chargers (191 AC & 73 DC chargers) at various locations in Delhi NCR, Andhra Pradesh, Madhya Pradesh, Gujarat, Maharashtra, Andaman & Nicobar Islands, Jharkhand and Uttar Pradesh. List of AC & DC chargers installed by EESL in Delhi NCR and rest of India is as per Annexure-I &II respectively.

In addition, the following projects/proposals of charging infrastructure have also been funded/approved for funding under FAME India Scheme –

S. N.	Name of the Project/Proposals	Implementing Agencies
1	Public Fast Charging Infrastructure Network for Electric Vehicles at Bangalore	M/s Mahindra Reva Electric Vehicles Pvt. Ltd. in collaboration with Lithium Urban Technologies Pvt. Ltd.
2	Proposal for putting up of Solar Based Charging Infrastructure for EVs in NCR	Rajasthan Electronics & Instruments Limited (REIL), Jaipur
3	Proposal for putting up of Solar Based Charging Infrastructure for EVs in the premises of Udyog Bhawan	Bharat Heavy Electrical Limited (BHEL)
4	Proposal of Setting-up 200 Charging Stations in NCR of Delhi, Jaipur & Chandigarh	Rajasthan Electronics & Instruments Limited (REIL), Jaipur
5	Setting up of solar based charging stations in Delhi-Chandigarh-Delhi Highway	Bharat Heavy Electrical Limited (BHEL)
6	Setting up of charging stations in Delhi-Jaipur-Delhi Highway and in Mumbai-Pune-Mumbai Highway (Solar as well as Conventional)	Rajasthan Electronics & Instruments Limited (REIL), Jaipur

List of electric vehicles chargers installed by EESL in Delhi NCR

S.N.	Name of Organisation	Office Address	AC Chargers installed by EESL	DC Chargers installed by EESL
1	Ministry of Power	Shram Shakti Bhawan, New Delhi	4	1
2	Ministry of New & Renewable Energy	Block-14, CGO Complex, New Delhi	2	1
3	New Delhi Municipal Council	Palika Kendra, New Delhi	5	2
		Palika Parking, CP, New Delhi	5	1
		Shaheed Bhagat Singh Place Parking (NDMC Office Palika Suvidha Kendra), Near CP, New Delhi	3	1
		Shivaji Stadium, CP, New Delhi	6	2
		Auto Workshop, LBN, INA, (opposite Laxmi Bai Nagar Market)	4	2
		NDMC Vidyut Bhawan, Aurangzeb Road, New Delhi	5	1
4	South Delhi Municipal Corporation	MCD Office, Lajpat Nagar	2	1
		SDMC Office, Civic Centre, Minto Road	6	3
		Office of Deputy Commissioner (SDMC Zonal Office), Green Park	2	1
		SDMC Office, Ambedkar Stadium	2	1
		Old building Rajouri Garden	1	1
		SDMC West Zone, Dr. Shabib Singh Nigam Bhawan, Near Shivaji College, Rajauri Garden	2	1
		Office of Deputy Commissioner (SDMC South Zone), Near Dhansa Bus Stand, Najafgarh	2	1
		Gulmohar Park	1	-
		Sewa Nagar	1	
		RK Puram house tax building	1	1
SDMC Disaster Management, Near Dwarka Sector 9 Metro	4	1		
5	Municipal Corporation of Gurugram	Municipal Corporation Gurugram, C1 Info City, Sector 34, Gurugram	4	1
		Gurugram Metropolitan Development Authority, 321/18 Civil Lines, Gurugram	4	1

S.N.	Name of Organisation	Office Address	AC Chargers installed by EESL	DC Chargers installed by EESL
6	15 th Finance Commission	STC, Jawahar Vyapar Bhawan, Janpath Road	2	1
7	NTPC	EOC, Sector-24, Noida	3	1
		PMI, Sector-16 A, Noida	1	1
		NETRA, Greater Noida	1	
		CMD Residence, Niti Bagh, New Delhi	1	
		Scope Complex, New Delhi	4	1
8	National Institute of Solar Energy	NISE, Gurgaon-Faridabad Road	1	-
9	Central Electricity Authority	NRLDC, Katwaria Sarai, New Delhi	2	1
10	Indian Renewable Energy Development Agency Limited	August Kranti Bhavan, Bhikaji Cama Place, RK Puram, New Delhi	1	-
11	UNEP	Joseph Stein Lane, Lodhi Gardens, 55 Lodhi Estate, New Delhi	1	-
12	NITI Aayog	Sansad Marg, Sansad Marg Area, New Delhi, Delhi	7	1
13	Power Grid Corporation of India Limited	Corporate Office, Sector 29, Near IFFCO Chowk, Gurgaon	1	1
		Katwaria Sarai	1	1
		PGCIL Township, Sector 43, Gurgaon	1	-
		PAL, Manesar	1	-
		Maharani Bagh Sub Station	1	-
14	Gujarat Bhawan	11, Kautilya Marg, Chanakya Puri, New Delhi	1	1
15	Department of Heavy Industries	Udyog Bhawan, Rafi Marg, New Delhi, Delhi	6	-
16	Prime Minister's Office	E Block, Central Secretariat, New Delhi, Delhi 110011	9	6
17	Power Finance Corporation Limited	Power Finance Corporation Ltd. 'Urjanidhi', 1, Barakhamba Lane, Connaught Place	1	-
18	Ministry of Health & Family Welfare	A Wing, Nirman Bhawan, Maulana Azad Road, New Delhi - 110 011	1	1
19	Ministry of Finance	North Block, Cabinet Secretariat, Raisina Hill, New Delhi - 110 001	6	4
20	Airport Authority of India	Safdarjung Airport	2	2
		Regional Headquater IGI	2	2
21	BSES Yamuna Power Limited	Bhartendu Harish Chandra Marg, Saini Enclave, Karkardooma, Anand Vihar, Delhi, 110092	1	1

S.N.	Name of Organisation	Office Address	AC Chargers installed by EESL	DC Chargers installed by EESL
22	ONGC Videsh Limited	DeendayalUrja Bhawan, 5, Nelson Mandela Marg, Vasant Kunj, New Delhi, Delhi 110070	2	1
23	NHPC Limited	N.H.P.C Office Complex, Sector 33, Faridabad, Haryana 121003	1	1
Total			127	51

Concluded.

List of electric vehicles chargers installed by EESL in rest of India

S.N.	Name of Organisation	Office Address	AC Chargers installed by EESL	DC Chargers installed by EESL
1	Greater Visakhapatnam Municipal Corporation	Vishakhapatnam, Greater Visakhapatnam Municipal Corporation	10	-
2	Andhra Pradesh Eastern Power Distribution Company Limited	Vishakhapatnam, Andhra Pradesh Eastern Power Distribution Company Limited	3	-
3	District Collector Office	Vishakhapatnam, District Collector Office	2	-
4	Jharkhand Bijli Vitran Nigam Limited	Nigam Headquarter, Ranchi	4	3
		SLDC, Kusai, Ranchi	2	-
		33/11 kV Power Sub-Station, Kusai, Ranchi	1	-
		33/11 kV Power Sub-Station, Raj Bhawan, Ranchi	1	1
5	Dakshin Gujarat Vij Company Limited	Surat City Circle Office-DGVCL, 2nd Floor, Opp. E-Space, Bhagavan Mahavir Collage Road, New VIP Road, Vesu-Bharthana	2	1
		Surat Urban Division-DGVCL, UdhnaBhestan Road, Op. Batliboi, Pandersara, Surat	2	-
		Rander Division - DGVCL, Opp Sarjan Flat, Beside Janki Row House, Behind Jalaram Mandir, L.P.Savani Road, Adajan	1	-
6	Madhya Gujarat Vij Company Limited	Baroda City Circle Office - MGVL, Navlakhi Compound	2	1
		Vishwamitry EAST Division Office - MGVL, J N Marg, Motibaug, Rajmahel Road, Vadodara	1	-
		Vishwamitry WEST Division- MGVL, Diwalipura char rasta, Vadodara	1	-

S.N.	Name of Organisation	Office Address	AC Chargers installed by EESL	DC Chargers installed by EESL
		Lalbaug Division Office-MGVCL, Pratapnagar, Vadodara	1	-
7	Madhya Pradesh Urja Vikas Nigam Limited	Link Rd Number 2, 5.No.Bus Stop, Shivaji Nagar, Bhopal, Madhya Pradesh	3	1
8	Lucknow Development Authority	Lucknow Development Authroity, Vipin Khand, Gomti Nagar, Uttar Pradesh	2	1
9	Andaman & Nicobar Administration	Secretariat, Port Blair	6	2
		Office of Deputy Commissioner, South Andaman	1	1
		Directorate of Transport, A&N Administration, Port Blair	1	1
10	Atal Indore City Transport Service Limited	Indore Municipal Corporation, Indore	18	10
Total			64	22